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# ARIZONA SEED AND FLORAL CO.

1924

Illustrated  
SEED  
Annual

PLANT OUR

ARIZONA  
WONDERFUL  
LETTUCE



PHOENIX, ARIZONA.

ON SALE FEB 1 1924



# HOW TO ORDER BY MAIL

**Prices in This Catalogue Cancel All Previous Prices and Are Subject to Change Without Notice.**

**YOUR NAME AND ADDRESS.**—Be sure that your name and address are written very plainly on each order. We frequently have orders where either name is not given or address omitted. Also give plainly the R. F. D. number and box or street address. We acknowledge all orders above 25 cents by Post Card, giving the number of your particular order. If such acknowledgement is not received, or if the order does not follow at once, write us about it.

**CASH WITH ORDER.**—The proper way is to send remittance in full to cover order and postage. Remittance should be made by Post Office Money Order or Express Money Order. For amounts up to \$1.00 clean unused Postage Stamps will be accepted. Checks on Phoenix banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

**SHIPPING.**—We will use our best judgment as to the best way of sending orders when specific directions are not given. On large orders it is better to have them go by express or freight if your town is on a railroad. If special directions in shipping are needed, send them explicitly, and where express or freight office is different from post office so state in space on our order sheet. Paris Green, London Purple and other poisons are not mailable, nor are liquids like Black Leaf 40 and other insecticides; they must go by express or freight. Seeds do not pack well with nursery stock, they may get damp and become spoiled; it is therefore better to have them shipped separately.

**POSTAL RATES.**—Rates of Postage on Books, Seeds, Bulbs, Plants, Roots, etc., 8 oz. or less, 1c for each 2 oz.; all over 8 oz., Parcel Post Rates.  
**WEIGHT LIMIT:** First, second and third zones, 70 pounds; over third zone, 50 pounds.

1st zone Up to 50 miles from Phoenix	2nd zone 50 to 150 mi. from Phoenix	3d zone 150 to 300 mi. from Phoenix	4th zone 300 to 600 mi. from Phoenix	5th zone 600 to 1000 mi. from Phoenix	6th zone 1000 to 1400 mi. from Phoenix
1 lb.....5c 2 lb.....6c	1 lb.....5c 2 lb.....6c	1 lb.....6c 2 lb.....8c	1 lb.....7c 2 lb.....11c	1 lb.....8c 2 lb.....14c	1 lb.....9c 2 lb.....17c
For every additional lb. or part of add 1c	For every additional lb. or part of add 1c	For every additional lb. or part of add 2c	For every additional lb. or part of add 4c	For every additional lb. or part of add 6c	For every additional lb. or part of add 8c

**SEEDS BY MAIL.**—On orders for vegetable and flower seeds except Beans, Corn and Peas we pay postage within the 4th zone limit, but we do not pay postage charges on Onion Sets, Field Seeds, Clovers, Grasses, Bird Seeds, Beans, Corn, Peas, Tools, Plants or Bulbs, *except where the price reads postpaid*. We do not ship plants C. O. D.

**We Do Not Warrant Seeds**—The fact that no reputable seedsman now warrants seeds in any respect being well known, renders it unnecessary for us to say very much on this point, as it must be apparent to every intelligent person that no seedsman can afford to send out poor or worthless seeds. There could be no more certain way of destroying his business. We beg to append the following notice:

The seeds offered in this Catalogue have been carefully grown, selected, cleaned and tested for germination, and we believe them to be first-class in every respect, but we cannot guarantee the crop, as too many conditions enter into it; therefore, we give no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once, and if the money has been paid for them it will be refunded.

**Arizona Seed & Floral Company,  
A. W. Liefgreen, Mgr.**

**BUY THE BEST—WE DO**

**SEE PAGE 6 FOR  
CUT FLOWERS**





## Have a Conkey Corner in Your Poultry House

Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of BEING PREPARED. For more than twenty-five years Conkey has been THE POULTRY DOCTOR. Take his advice. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.

We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:

*Your money refunded cheerfully if any Conkey remedy does not satisfy.*

CONKEY'S POULTRY BOOK FREE if you call at our store, or mailed for 6 cents in stamps.



## Conkey's ROUP REMEDY



When Roup breaks out there's no time to experiment—start treatment at once—the disease is very contagious. Cold, rainy weather and changeable conditions intensify Roup. When birds sneeze, froth in eyes, or run at nose put Conkey's Roup Remedy in the drinking water. Sick birds doctor them-

selves and others are protected from catching the disease. Better still, always at the first sign of "roupy weather" place Conkey's Roup Remedy in fountains—it's a great preventive.

Packages: 30c, 60c, \$1.20; 1½ lb. can \$2.50; breeder size (5-lb. can) \$5.75. All postpaid.

### Conkey's Roup Pills

For treating individual cases and for use at shows when birds develop colds. These pills have saved many a valuable bird.

Packages: 30c, 60c, \$1.20, all postpaid; breeder size (1000 pills) \$3.00; or \$3.10 postpaid.

### Conkey's Canker and Bronchitis Remedy



This splendid remedy checks cankerous growths and sores and soon restores the bird to normal. This remedy is Conkey's Specific for bronchitis. Also desirable in treating individual cases of Roup and for use at shows for colds.

Package 60c postpaid.

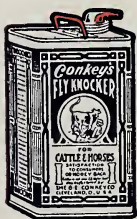
### Conkey's Cholera Remedy



So-called Cholera, bowel troubles, indigestion, diarrhea and kindred ailments often kill a whole flock in a few days. Diarrhea, a drowsy, listless appearance and great thirst—these are the signals to put Conkey's Cholera Remedy in the drinking water.

Packages: 30c, 60c, \$1.20, all postpaid; breeder size 5 lbs., \$3.00; or \$3.15 postpaid.

## Conkey's FLY KNOCKER For Cows and Horses



Dairymen, horsemen, cattlemen and sheep raisers declare this to be the best investment they make—animals free from insects do better in milk and butter fat production, while growing stock unquestionably fattens faster when relieved from disease-spreading insects.

Conkey's Fly Kicker for many years has held the confidence of persons having animals under their care

as an "always reliable" repellent. Conkey's is not a "cheap" product when the price is compared with inferior imitations, but many declare it to be very economical because of its superior lasting qualities.

We sell Conkey's Fly Kicker on this guarantee:

*Buy a can, try it for 15 days, then if you are not satisfied we will refund your money.*

Cans: qt. 70c; ½ gal. \$1.15; gal. \$1.75; 5 gal. \$8.00; 10 gal. \$15.50. Parcel post, express or freight extra.





## Conkey's POULTRY TONIC

Every bird from chick to maturity will be more productive, healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds to get more out of their feed; they produce more eggs and better flesh on LESS FEED, through better digestion and assimilation.

Conkey's Tonic is all medicine—free from filler, red pepper, and "hot stuff" to overstimulate the birds and break down their health. Conkey's builds on a natural healthy basis, inducing steady and persistent laying. Keeps the young chicks growing, makes molting easy, strengthens the bird for bad weather and generally maintains a high health average.

Buy it by the pail. Packages: 30c, 60c, \$1.20; pails, 12-lb. \$2.00; 25-lb. \$3.50; bags, 50-lb. \$6.00; 100-lb. \$11.00. Parcel post, express or freight charges extra.



### Conkey's Gape Remedy

Don't try to extract gapes with a wire or feather when you can get such an effective remedy as Conkey offers. This remedy comprises two powders—both in same box for one powder—one sifted over chicks causes them to dislodge the worms in windpipe by coughing; the other is a tonic powder which is mixed in the feed—to help the bird build up its resisting powers.

Pkgs: 30c, 60c; or 35c, 65c postpaid.



### Conkey's Limberneck Remedy

For limberneck (or ptomaine poisoning) this remedy should be on hand in your Conkey Corner at all times as Limberneck must be treated promptly.

Pkgs: 60c; or 65c postpaid.



### Conkey's Poultry Conditioner

Highly concentrated fowl-regulator, blood-purifier and nerve food, to build up birds in a rundown condition or for fowls recovering from disease. Splendid for putting birds in condition for shows, and sustaining them during exhibition.

Pkgs: 30c, 60c; or 35c, 65c postpaid.



### Conkey's NOX Solidified Disinfectant and Stock Dip

Here is a high grade disinfectant in solid form. A little cube—only an inch square—mixed in water makes a gallon of dip or disinfectant with a co-efficient of 5.25, making it 2 to 3 times as strong as most coal-tar disinfectants.

Conkey's Nox is made of imported oils—noted for their uniformity—and concentrated by an exclusive, patented process. It is of a nature similar to Conkey's Nox-i-cide, but in a condensed, easily-handled form.

Packages: 6 cubes, 30c; 15 cubes, 70c; 30 cubes, \$1.20; 75 cubes (2½ lbs.) \$2.00; 150 cubes (5 lbs.) \$3.50. Parcel post, express or freight extra.

Ask for special prices on larger quantities.



### Conkey's Scaly Leg Remedy

This ointment applied to birds' legs in a few treatments will kill the parasites responsible for the trouble and heal up the legs with a healthy lustre.

Package 30c postpaid.

### Conkey's Stock Tonic

A general conditioner of real merit for live stock.

Packages: 30c, 60c; pails, 12 lb. \$2.50; 25 lbs. \$4.25; bags, 50 lb. \$6.25; 100 lb. \$11.50. Parcel post, express or freight charges extra.

## Conkey's LICE POWDER

(Contains Sodium Fluoride)

For dusting hens, nests, growing chicks—wherever body lice must be overcome.

Packages: 25c, 45c, 90c; pails 12-lb. \$3.00; 25-lb. \$5.75. Parcel post, express or freight extra.

### Conkey's Mite Liquid

For painting roosts, fittings, inside of house, nest boxes and wherever mites congregate.

Cans: qt. 60c; 2-qt. 90c; gal. \$1.50; 5-gal. \$7.00. Parcel post, express or freight extra.

### Conkey's Head Lice Ointment

For overcoming and preventing the murderous head louse which "eats up" baby chicks.

Packages: 15c, 30c, postpaid.

### Conkey's Lice Fix

A preparation in ointment form for fighting body lice. One application lasts a month.

Packages: 30c, 60c postpaid.



# ARIZONA SEED & FLORAL COMPANY

**Recognized Headquarters for TESTED and RELIABLE Seed**

*Dear Friends:*

*It is always our pleasure to send our catalogs to our thousands of appreciative friends and customers. We give unsparingly of our time and effort to bring this catalog to a point where we believe it is of real benefit to the owners of vegetable and flower gardens, to the producer of field crops, and to those concerned in beautifying their home surroundings.*

*This catalog will bring to you Seed and Merchandise of the highest and most **DEPENDABLE QUALITY**. When we say "Tested and Reliable Seed" we mean that our seeds are thoroughly tested and that only seeds of the very highest qualities are allowed to reach our customers. We use every precaution to keep our seed true to name. All our seeds are grown by the most reliable seed producers in the world and in sections peculiarly adapted to raising seeds of the best quality.*

*All the varieties of vegetable, flower and field seed listed in this catalog are adapted particularly to our climatic conditions, and by following our cultural directions you will make your garden show good results and the pleasure that you will derive from it will more than repay you for your efforts.*

## PLANT A GARDEN

*Those who have tried gardening have no doubt concerning the wonderful benefit derived from it. **HEALTH, PLEASURE and REAL PROFIT**. Those who know the true worth of fresh vegetables and have experienced the pleasure of growing and picking their own cut flowers and receiving the admiration and favorable comment from others for their thrift and the interest they show in the home beautiful would never be without a garden.*

*We firmly believe that our "**TESTED**" and "**RELIABLE**" seeds" will please you and we earnestly solicit your valued patronage.*

**ARIZONA SEED & FLORAL CO.**

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## PLANTING CHART

Kind of Vegetable	Seeds or Roots Required for 100 feet of Drill	One Acre	Distances for Plants to Stand			Depth of Planting	Ready for Use After Planting—About
			Rows Apart		Plants Apart in Rows		
			Horse Cultivation	Hand Cultivation			
Asparagus, seed	1 ounce	5 lbs.	30 to 36 in.	1 to 2 ft.	3 in.	1 in.	2 years
roots	60 to 80 roots.		3 to 5 ft.	12 to 24 in.	15 to 20 in.	3 to 5 in.	1 year
Beans, dwarf	1½ lbs.	30 to 125 lbs.	30 to 36 in.	18 to 24 in.	2 in.	1 to 3 in.	42 to 75 days
Beans, pole	½ lb.	40 lbs.	3 to 4 ft.	3 to 4 ft.	12 in.	1 to 3 in.	72 to 90 days
Beets	2 ounces	6 lbs.	28 to 36 in.	12 to 18 in.	2 in.	1 in.	45 to 60 days
Brussels Sprouts	3 pkts.	2 ounces	30 to 36 in.	24 to 30 in.	16 to 24 in.	½ in.	100 to 120 days
Cabbage, early	3 pkts.	½ lb.	30 to 36 in.	24 to 30 in.	12 to 18 in.	½ in.	90 to 110 days
late	3 pkts.	½ lb.	30 to 40 in.	24 to 36 in.	16 to 24 in.	½ in.	110 to 120 days
Carrot	1 ounce	4 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	55 to 80 days
Cauliflower	3 pkts.	1 ounce	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.	120 to 150 days
Collards	3 pkts.	¼ lb.	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.	100 to 120 days
Corn, sweet	½ lb.	10 lbs.	36 to 42 in.	30 to 36 in.	18 in.	1 in.	55 to 90 days
Cress, water	4 pkts.		Broadcast			Under water.	60 to 70 days
Cucumber	½ ounce	2 lbs.	4 to 6 ft.	4 to 6 ft.	4 every 3 ft.	1 in.	50 to 70 days
Eggplant	2 pkts.	¼ lb.	30 to 36 in.	24 to 30 in.	18 in.	½ in.	125 to 140 days
Endive	1 ounce	2 lbs.	30 in.	18 in.	12 in.	½ in.	100 days
Horse Radish	70 roots		30 to 40 in.	24 to 30 in.	20 in.	3 to 4 in.	1 year
Kale, or Borecole	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	18 in.	½ in.	55 to 60 days
Kohl-rabi	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	6 in.	½ in.	55 to 70 days
Leek	½ ounce	4 lbs.	30 to 36 in.	14 to 20 in.	4 in.	½ in.	120 to 150 days
Lettuce	½ ounce	3 lbs.	30 in.	12 to 18 in.	6 in.	½ in.	70 to 90 days
Muskmelon	½ ounce	2 lbs.	6 to 8 ft.	6 to 8 ft.	4 every 4 ft.	1 in.	85 to 150 days
Watermelon	1 ounce	3 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	100 to 130 days
Mustard	3 pkts.	1 lb.	30 to 36 in.	12 to 18 in.	4 or 5 to ft.	¼ in.	60 to 90 days
New Zealand Spinach	1 ounce	8 lbs.	36 in.	24 to 36 in.	12 in.	1 to 2 in.	60 to 100 days
Okra	2 ounces	8 lbs.	4 to 5 ft.	3 to 4 ft.	24 in.	1 in.	90 to 140 days
Onion, seed	1 ounce	3 lbs.	24 to 36 in.	12 to 18 in.	2 in.	½ in.	125 to 150 days
Onion, sets	1 qt. of sets.	50 lbs.	24 to 36 in.	12 to 18 in.	4 or 5 to ft.	1 in.	100 days
Parsley	3 pkts.	3 lbs.	24 to 36 in.	12 to 18 in.	3 in.	1-8 in.	65 to 90 days
Parsnip	½ ounce	3 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	130 days
Peas	1 lb.	60 lbs.	3 to 4 ft.	30 to 36 in.	1 in.	1 in.	45 to 75 days
Pepper	2 pkts.	2 ounces	30 to 36 in.	18 to 24 in.	15 in.	½ in.	130 to 150 days
Potatoes, Irish	5 lbs.	16 bu.	30 to 36 in.	24 to 36 in.	14 in.	4 in.	90 to 150 days
Sweet	3 lbs. (or 75 slips)		3 to 5 ft.	3 to 5 ft.	14 in.	3 in.	150 days
Pumpkin	½ ounce	4 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	75 to 90 days
Radish	1 ounce	10 lbs.	24 to 36 in.	12 to 18 in.	1 in.	½ in.	20 to 75 days
Rhubarb, seed	½ ounce		36 in.	30 to 36 in.	6 in.	½ to 1 in.	3 years
roots	33 roots.		3 to 5 ft.	3 to 5 ft.	3 ft.	2 to 3 in.	1 year
Ruta-baga	3 pkts.	2 lbs.	30 to 36 in.	18 to 24 in.	6 in.	½ to 1 in.	90 days
Salsify	1 ounce	8 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	150 days
Spinach	1 ounce	8 lbs., sown Broadcast	30 to 36 in.	12 to 18 in.	2 in.	1 in.	45 days is min.
Squash, Summer	½ ounce	4 lbs.	3 to 4 ft.	3 to 4 ft.	4 every 4 ft.	1 in.	65 to 70 days
Tomato	2 pkts.	1½ ounces	3 to 5 ft.	3 to 4 ft.	3 to 4 ft.	½ in.	125 to 150 days
Turnip	1 ounce	1 lb. sown Broadcast	24 to 36 in.	18 to 24 in.	2 in.	¼ in.	45 to 90 days
		3 lbs.					

## NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCES APART

Distance apart	No. Plants	Distance apart	No. Plants	Distance apart	No. Plants
3 in. by 4 in.	522,720	3 ft. by 3 ft.	4,340	5 ft. by 5 ft.	1,742
4 in. by 4 in.	392,040	3½ ft. by 3½ ft.	3,555	5½ ft. by 5½ ft.	1,440
6 in. by 6 in.	174,240	4 ft. by 1 ft.	10,890	6 ft. by 6 ft.	1,200
1 ft. by 1 ft.	43,560	4 ft. by 2 ft.	3,630	6½ ft. by 6½ ft.	1,031
1½ ft. by 1½ ft.	19,360	4 ft. by 4 ft.	2,722	7 ft. by 7 ft.	888
2 ft. by 1 ft.	21,780	4½ ft. by 4½ ft.	2,150	8 ft. by 8 ft.	680
2 ft. by 2 ft.	10,890	5 ft. by 1 ft.	3,712	9 ft. by 9 ft.	537
2½ ft. by 2½ ft.	6,960	5 ft. by 2 ft.	4,356	10 ft. by 10 ft.	435
3 ft. by 1 ft.	14,520	5 ft. by 3 ft.	3,904	11 ft. by 11 ft.	360
3 ft. by 2 ft.	7,260	5 ft. by 4 ft.	2,178	12 ft. by 12 ft.	302

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

# Helpful Hints to the Home Gardener



WE ARE devoting these pages in our catalog to the problem of assisting you in planting and caring for your Vegetable and Flower Garden and in beautifying your home. The instructions we give herein are based on actual experience in the Southwest and should aid you materially with your garden. Some succeed with whatever they plant. This should not be considered luck, but rather the "Knowing How" in little things that make the difference between a good garden and a poor one.

You will always have problems of your own to work out. The condition of your soil may be different to that of your neighbor, or you may have more shade than he, but all these problems can be worked out satisfactorily. For this reason we have endeavored to enunciate certain primary principles rather than lay down definite rules.

## LOCATION OF THE GARDEN

A great many garden enthusiasts have the mistaken idea that the garden must be shaded. All vegetables and most all flowers should have a location where they are exposed to the sun all or most of the day to produce the desired growth. During the Winter growing season a garden protected or partly surrounded by a hedge or trees will produce earlier vegetables and flowers, due to the fact that the protection thus afforded will hold the frost to a higher level than when exposed. Protection of this sort is not altogether necessary, as our coldest winters have produced wonderful yields of all our winter crops.

## THE UNTIDY YARD

Is your yard worthy of comment as a well-kept garden and lawn or is it piled up with rubbish, tin cans, bricks, etc., and a sight to create unfavorable comment by your neighbor? If it is the latter, by all means Clean It Up. Do not allow the surface appearance of your soil to discourage your prospects for a garden, no matter how ungardenable it might appear. If you could look back and see some of the unsightly yards that have been transformed into beautiful gardens producing wonderful vegetables and flowers you would not hesitate in assisting nature to develop and beautify your own garden spot, thereby making it an enviable place in which to live.

## THE SOIL

### Build Up the Soil to the Maximum Producing Point

Do not become discouraged if your soil does not produce the desired yield from your first attempt. If your soil is too heavy or too sandy it may be easily bettered. For soil of a heavy adobe nature and difficult to work nothing is better than a heavy dressing of good strawy stable manure. Better still, if your selected garden spot is covered with a heavy, coarse growth of bermuda grass, have it plowed under and allow it to lay until thoroughly decomposed. Both the stable manure and the bermuda sod have a tendency to loosen up and lighten the soil, and they also add humus. Gypsum or water-soaked lime spaded in often greatly improve the physical nature of tight soils. Strange to believe, the same materials which lighten heavy soils will also improve the light, sandy soils. Manure spaded in will make light, sandy soils more compact and less liable to dry out quickly. Light soils quickly absorb the heat and in the early Spring months will mature a crop earlier than will the heavier soils.

## FERTILIZATION

Every garden should receive annually at least one good application of manure. Barnyard, sheep or poultry manure should be used. If no manure is available, old leaves, straw, hay, or other trash may be used. This should be plowed or spaded under and then dragged or raked to put the ground in good condition. Sour clover, vetch, garden or field peas and similar winter crops may be planted on unused garden areas during the Winter and turned under in the Spring for green manuring. Summer crops such as Cow Peas, Soy Beans, Black-eyed Peas, etc., may be used in the same way during the Summer months. The soil that contains plenty of organic matter and humus is easier to cultivate, holds moisture better because of its porous and spongy character, and is less liable to become hard and baked when dry. Besides, well fertilized soil produces larger crops. For quick results in the garden **Gromore** is an excellent fertilizer to use. It responds quickly and gives excellent results. You will find it listed under **Fertilizers**.



## IRRIGATION AND CULTIVATION

The successful garden requires good irrigation and cultivation. To begin with, the surface should be properly leveled, leaving just enough slope to carry the water down the furrows. Sandy soils should have more slope than heavy soil. Planting should be done in rows, as this method facilitates irrigation and clean and rapid cultivation. The rows should be as long as possible, but convenience in irrigation will determine the length and direction of the rows. It is always more economical to irrigate and cultivate long rows than short ones. During the Fall, Winter and Spring months, one irrigation every eight days, not including rainfall, is sufficient for the ordinary vegetable crops. During the hot Summer months, most vegetables and flowers should be irrigated oftener. Remember that there should be sufficient irrigation to keep the plants healthy, succulent and strong. The amount of the water necessary depends largely on the nature of the soil. Light soils dry out more quickly than do heavy ones.

Cultivation is as essential as irrigation. Frequent cultivation keeps the soil in good tilth, aerates the soil, and forms a dust mulch which helps to stop the excessive evaporation of moisture from the soil. Cultivate shallowly, so as not to disturb the roots of the plants. It is best to cultivate as soon after irrigation as the soil will allow. Frequent cultivation will also lessen the weed problem and you will have only occasional use for the hoe. Irrigation and cultivation can be lessened during the Summer months by mulching around the plants with manure or straw, which also tends to keep the ground cooler. Iron Age and Pull Easy garden tools (listed under Garden Tools) will greatly reduce labor and the saving in time soon pay for them.

## HOW TO RIDGE THE SOIL FOR IRRIGATION

Garden culture under irrigation is quite different from that in which rainfall is depended upon. Flat culture is best in sections where adequate rainfall supplies all the moisture necessary but in the arid districts we must depend on irrigation. With irrigation the soil is ridged and the plants and seeds are planted on top of the ridge or on the sides. The ridge, not being flooded, does not become packed and no crust forms on the surface. The ridges should be from five to ten inches high at the center, and flattened out or rounded. Sharp narrow ridges dry out too quickly and do not keep their form. Furrows should be as narrow and shallow as convenient. For small garden crops the ridges should be from  $1\frac{1}{2}$  to 2 feet wide, with a row on both sides and for melons, etc., or plants like okra, pepper and tomatoes, the beds must necessarily be from 3 to 6 feet wide, the width to be judged from the size of the plants to be grown. Some prefer to set out plants such as tomato, pepper, egg plant, cabbage, etc., along single shallow furrows and ridge or hill up the plants later as they continue to grow.

## SEED PLANTING

We attribute most failures with garden seeds to the fact that the seed is planted either too deep or too shallow. The best rule to follow is to plant in depth according to the size of the seed. For instance, seed like snapdragon, petunia, portulaca, and all seed which is very fine should be sown on the surface of the soil, padded down lightly with a block of wood and then covered lightly with a mulch of sand and finely pulverized manure. A piece of burlap over the seed bed will lessen the evaporation, and hasten germination. The mulch is absolutely necessary with all fine seeds and is used with great success for all plantings regardless of the size of the seed. Medium small seed such as sweet Alyssum, verbenia, turnip, lettuce, etc., should be sown from one-fourth to one-half inch deep. Large seed, such as calendula, hollyhock, beet, radish, etc., should be planted three-fourths to one inch deep. Sweet corn, peas and beans should be planted from  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches deep. During the hottest weather it is best to plant all seeds a little deeper, as the soil dries out more rapidly. Always plant seed in moist soil, never in dry. Start cultivating the young plants as soon as you can without disturbing the roots. Seeds that are hard should be soaked in water from 24 to 36 hours before planting.

## ALKALI SPOTS

Alkali spots are caused by the accumulation of soluble matter at the surface of the soil. Some alkali spots of blackor chocolate brown color contain injurious amounts of sodium carbonate and are reclaimed with difficulty. Practically all other alkali salts, even those having a black appearance, are readily washed out of the soil. To control permanently alkali, the cause, almost invariably a high water table, must be removed. Next, any plan which will cause large quantities of water to be carried down through the soil to a depth below the root zone of plants is necessary.

Application of this principle depends upon the individual circumstances. The soil should be plowed or spaded deeply, basined off with high, strong borders and flooded with an excess of water. Irrigation water may be left standing on the land for a few days, or if more desirable, as much water as will soak into the soil in 8 or 10 hours may be applied, followed by three or four similar irrigations at intervals of a week. Coarse organic matter plowed or spaded in deeply greatly assists the penetration of water, as does irrigation on rough plowing.



If the above treatment does not suffice it means that your soil is especially tight, or that it contains large amounts of sodium carbonate, in which event, reclamation is more costly. In such a case, if your acreage is very limited, apply gypsum at the rate of 1 pound per two square feet of soil, and carry on one of the leaching processes above described. If your acreage is large, consult a soil chemist and ascertain more definitely the amount of gypsum per acre that should be used.

After the alkali is leached out, add organic matter, preferably barnyard manure, in large quantities. This will have a beneficial physical and chemical effect on your soil.

## GENERAL INSTRUCTIONS FOR COMBATING INSECT PESTS

### Burn All Diseased Garden Refuse

At certain times of the year there is always more or less refuse left in the garden, such as melon vines, old roots, plant tops and weeds. Some of this material would make fine fertilizer if spaded into the soil, but much of the refuse is liable to be diseased. The best plan, then, is to rake all the refuse in piles and burn it.

### ASSIST YOUR GARDEN CROPS IN RESISTING DISEASE BY FREQUENT CULTIVATION

A vegetable or flower garden, rose bush, tree or any form of plant life is very much like the human body, which if kept in good physical condition is better able to resist disease. Keep the plants growing and strong by frequent cultivation and they will be better able to resist disease and insect attacks.

### HOW TO COMBAT THE INSECT PEST

When you discover insects on your plant, determine first in which class they belong by the damage they are doing. There are three classes of insects—namely, **chewing, sucking and underground insects.**

**CHEWING INSECTS** are those that chew or eat the plants above the ground. These are easy to fight as it is simply a matter of applying poison to their food. Cabbage worms, tomato worms and the rose slug are common insects which eat holes in the leaves and fruit. These bugs are easily killed by applying a poison either in liquid or dry form. We recommend Paris Green or Arsenate of Lead as the most effective poisons.

**SUCKING INSECTS.** These insects do not chew the leaves but suck the juices from the inside of the plant tissues. A poison as applied for the chewing insects will not affect them, as it is necessary to use something that comes in contact with the body to kill them. All kinds of lice and aphids and squash and cucumber beetles are sucking insects. We especially recommend either **Black Leaf 40 Nicotine** or **Nico Dust** to destroy these pests. When using Black Leaf 40, Fish Oil Soap should be used with it, both to make the liquid adhere to the foliage and also as a repellent, as the soap has a disagreeable odor. When Black Leaf 40 or Nico Dust is used the liquid or the fumes hit the body of the insect and it is taken up into the breathing pores and kills. Early and constant watching and spraying or dusting is necessary as sucking insects work fast and get out of the way quickly. Spray when they make their first appearance, as they spread and multiply rapidly.

**UNDERGROUND INSECTS.** These are hard to get at and require different treatment than the two previously mentioned. The common kind is the root maggot. We also have root lice, wire worms and cut worms that damage the underground parts of the plants. Clean culture and crop rotation are the most reliable practices, while much good comes from thorough cultivation. Cut worms and wire worms can be controlled to a certain extent by scattering poison bran mash over the surface of the ground around the plants. Tobacco dust is a very good repellent. The use of carbon bi-sulphide is very effective on all underground pests. This liquid forms a heavy gas which sinks into the soil and destroys any insect life it reaches. Use moderately as carbon bi-sulphide injures some plants.

**CUT WORMS.** The control of these pests has always been a difficult problem. They delight in sneaking around at night and cutting off young and tender plants at the surface of the ground. The best method we know of for controlling these pests is the use of poison bait (see Formula for Poison Bran Mash). Scatter the poison bait freely around the plants and it will be found very effective. The cut worms will eat the bait in preference to green vegetation.

### Formula for Destroying Cut Worms and Grasshoppers

1 lb. Paris Green	4 gals. Water
2 qts. Molasses (cheap Blackstrap)	25 lbs. Bran.
6 Lemons or Oranges, chopped fine	

Stir the Paris Green, Molasses and water first. Grind the lemons, including rinds, and add to this liquid. Then slowly pour this mixture over the bran and stir thoroughly until an even mixture is secured.





A PARTIAL VIEW OF OUR FLORAL DEPARTMENT, where your orders are promptly and carefully executed by experts in this line. Our Floral Department is conceded the most up-to-date in the Southwest.

## FLORAL DEPARTMENT

WE ARE MEMBERS OF THE "FLORIST'S TELEGRAPH DELIVERY ASSN."

Through this connection with the best florists all over the United States we can arrange to have flowers delivered at any time in any city in the country. We are always glad to quote you prices of flowers for weddings or for any special occasion. Our Floral Department is in charge of experts who have made a lifelong study of the Floral Business, and we offer you the benefit of their experience, through the medium of this catalogue. Our Floral Department has gained great popularity by rendering Honest and Efficient Service and furnishing flowers and floral merchandise of the highest quality. Your orders by mail receive just as careful attention as though you were making the selection personally.

When ordering always state the exact amount you wish to pay and we will fill your orders to full value with select blooms.

Rush orders should be telephoned or telegraphed in, giving us as much time as possible for filling them. In ordering state definitely when they must reach destination.

CUT FLOWERS vary in price in accordance with the season, length of stem, etc. During the Holiday seasons, such as Christmas, New Year's, Easter and Thanksgiving, flowers are very much in demand and therefore advance in price accordingly.

ROSES, American Beauty, May to November 1st—\$1.50 to \$3.00 per doz.

ROSES, White, Red, Pink and Yellow—\$2.00 to \$10.00 per doz.

CARNATIONS, Lath House Grown—\$1.00 to \$2.00 per doz.

CARNATIONS, Hot House Grown—\$1.50 to \$3.00 per doz.

CHRYSANTHEMUMS in season—\$2.50 to \$10.00 per doz.

CALLA LILIES—\$2.00 to \$5.00 per doz.

EASTER LILIES, Cut—\$3.00 to \$8.00 per doz.

SWEET PEAS—50c to \$1.00 per bunch.

VIOLETS—35c to 50c per bunch.

CORNFLOWERS—50c to 75c per bunch.

CALENDULAS—50c to 75c per bunch.

YELLOW DAISIES—50c to 75c per bunch.

SHASTA DAISIES—75c to \$1.00 per doz.

JONQUILS—75c to \$1.50 per doz.

Boxes of Assorted Flowers—\$1.50 to \$10 each.

Baskets, beautifully arranged with flowers—from \$2.50 to \$25.00 each.

Corsage Bouquets—from \$2.00 up.

During the Fall, Winter and Spring months, and especially for Christmas, we can furnish a large assortment of Blooming Plants, such as Cyclamen, Poinsettias, Lilies, etc. Also beautiful Ferns. Plants range in price, according to size, from \$2.00 to \$10.00 each.

### Flowers for Commencements, Store Openings, Etc.

Baskets of Choice Flowers, from \$3.00 up to \$25.00.

Bouquets, artistically arranged, from \$2.00 up.

Good Luck Horse Shoes, from \$3.50 up.

All of the above we make up in individual styles.

### For Weddings

BRIDAL BOUQUETS of Carnations or Roses, from \$3.00 up.

BRIDAL BOUQUETS of Choice Flowers such as Lilies of the Valley or Orchids, from \$8.00 up.

### Funeral Designs and Sprays

Carnations in Spray, \$3.00 and up, according to size.

Roses in Spray, \$5.00 and up, according to size.

Anchor, Cross, Crescent, Wreath, Heart, Harp, Pillow, from \$5.00 up, according to size.

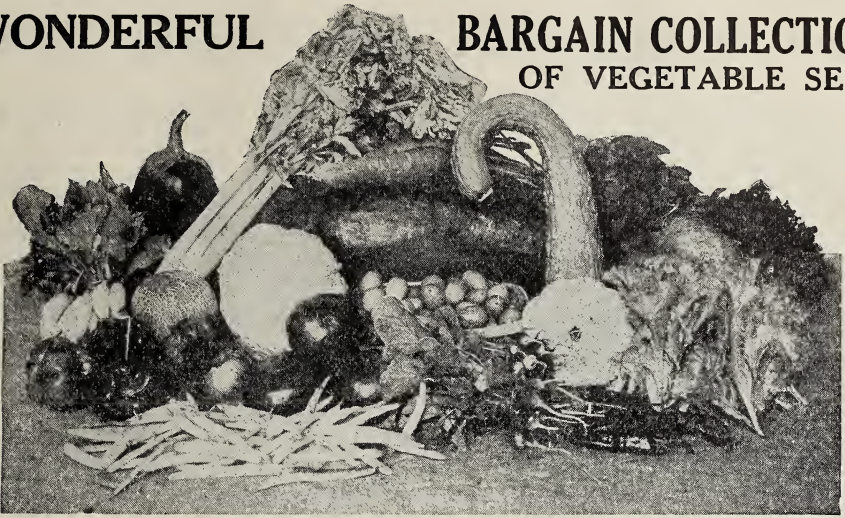
Gates Ajar, Broken Column, Broken Wheel, from \$10.00 up.

Lodge Designs, from \$5.00 up.

**BUY THE BEST—WE DO**



## WONDERFUL

BARGAIN COLLECTIONS  
OF VEGETABLE SEEDS

You may wonder why we offer seeds in these collections at bargain prices. The first reason is that it encourages the use of a greater number of kinds of vegetables and promotes the use of a greater variety of vegetables in the gardens and on the table. Another reason is that during the winter months we have more time to assemble these collections and prepare them for mailing, so all that is necessary during our rush season is the addressing and stamping.

All varieties in these collections are tried and proven sorts and all packets are full size and contain the highest quality seed, the same as though you were buying each item separately. We can not allow any change in the collections and no seeds other than these collections will be sold at these reduced prices.

## GARDEN COLLECTION No. 1

## No. 1—50c

VALUE, \$1.00—For 50c, Postpaid

## No. 1—50c

14 Well Filled Packets

1 pkt.	Beans—Improved Stringless Green Pod	10c
1 "	Beets—Improved Early Blood Turnip	5c
1 "	Carrot—Improved Chantenay	5c
1 "	Cucumber—Arizona Davis Perfect	10c
1 "	Lettuce—Arizona Wonderful	10c
1 "	Water Melon—Select Kleckley Sweet	5c
1 "	Cantaloupe—Improved Eden Gem	10c

SPECIFY COLLECTION No. 1

Value—\$1.00 for 50c, postpaid

1 pkt.	Onion—White Bermuda	10c
1 "	Parsley—Moss Curled	10c
1 "	Parsnip—Hollow Crowned	5c
1 "	Radish—Icele	5c
1 "	Squash—Early White Bush	5c
1 "	Spinach—Prickly Winter	5c
1 "	Turnip—Purple Top Strap Leaf	5c

\$1.00

## GARDEN COLLECTION No. 2

## No. 2—\$1.00

\$1.60 VALUE FOR \$1.50, Postpaid

## No. 2—\$1.00

1 pkt.	Beans—Imp. Stringless Green Pod	10c
1 "	Beet—Improved Early Blood Turnip	5c
1 "	Cabbage—Copenhagen Market	10c
1 "	Carrot—Improved Chantenay	5c
1 "	Cucumber—Arizona Davis Perfect	10c
1 "	Lettuce—Arizona Wonderful	10c
1 "	Water Melon—Kleckley's Sweet	5c
1 "	Cantaloupe—Improved Eden Gem	10c
1 "	Onion—White Bermuda	10c
1 "	Parsley—Triple Curled	10c
1 "	Pepper—Chinese Giant	10c

SPECIFY COLLECTION No. 2

1 pkt.	Pepper—Anaheim Chili	10c
1 "	Pumpkin—Small Sugar	5c
1 "	Radish—Long White Icicle	5c
1 "	Radish—Early Scarlet Turnip	5c
1 "	Squash—Early White Bush	5c
1 "	Tomato—Phoenix Special	10c
1 "	Turnip—Purple Top Strap Leaf	5c
1 "	Rutabaga—Purple Top Yellow	5c
1 oz.	Spinach—Prickly Winter	15c

\$1.60

## \$2.00 GARDEN COLLECTION

## No. 3—\$2.00

\$3.50 VALUE FOR \$2.00, Postpaid

## No. 3—\$2.00

½ lb.	Beans—Imp. Stringless Green Pod	20c
½ lb.	Beans—Kentucky Wonder Pole (pole)	20c
1 oz.	Beet—Early Blood Turnip	20c
1 pkt.	Cabbage—Copenhagen Market	20c
1 oz.	Carrot—Improved Chantenay	20c
½ lb.	Corn—Golden Bantam	20c
1 pkt.	Cucumber—Ariz. Select Davis Perf.	10c
1 "	Mustard—Southern Curled	5c
1 "	Egg Plant—N. Y. Improved	10c
1 "	Lettuce—Arizona Wonderful	10c
1 oz.	Water Melon—Kleckley's Sweet	20c
1 pkt.	Cantaloupe—Improved Eden Gem	10c
1 "	Casaba—Golden Beauty	10c
1 "	Onion—White Bermuda	10c

SPECIFY COLLECTION No. 3

1 pkt.	Parsley—Moss Curled	10c
1 "	Pepper—Chinese Giant	10c
1 "	Pepper—Anaheim Chili	10c
½ lb.	Peas—Blue Bantam	20c
1 pkt.	Pumpkin—Small Sugar	5c
1 oz.	Radish—Long White Icicle	20c
1 oz.	Radish—Early Scarlet Turnip	20c
1 pkt.	Squash—Early White Bush	5c
1 "	Squash—Imp. Green Hubbard	5c
1 "	Tomato—Phoenix Special	10c
1 oz.	Turnip—Purple Top White Globe	20c
1 pkt.	Rutabaga—Purple Top Yellow	5c
1 oz.	Spinach—Prickly Winter	15c

\$3.50

See page 78 for  
(GARDEN TOOLS)

BUY THE BEST—WE DO



# BARGAIN SWEET PEA COLLECTION



## Sweet Pea Collection No. 4

50c

8 PKTS. GIANT SPENCER SWEET PEAS  
in separate colors—White, Pink, Scarlet, Lavender,  
Purple, Cream, Maroon and Pink and White.

FULL VALUE, 80c—For 50c, Postpaid  
SPECIFY COLLECTION NO. 4

See Pages 59 and 60 for list of varieties

## Sweet Pea Collection No. 5

\$1.50

20 PKTS. GIANT SPENCER SWEET PEAS  
FULL VALUE, \$2.45—For \$1.50, Postpaid  
SPECIFY COLLECTION NO. 5

See Pages 59 and 60 for list of varieties

## Sweet Pea Collection No. 6

\$1.25

SEVEN 25c PKTS CHRISTMAS FLOWERING  
SWEET PEAS  
FULL VALUE, \$1.75—For \$1.25, Postpaid  
SPECIFY COLLECTION NO. 6

See Pages 59 and 60 for list of varieties

# BARGAIN FLOWER SEED COLLECTIONS

NOTHING ADDS MORE TO THE HOME THAN BEAUTIFUL FLOWERS — PLANT MORE  
FLOWER SEEDS

## FLOWER SEED COLLECTION No. 7—50c

12 Full Size Packets

Full Value \$1.20 for 50c

Specify Collection No. 7

1 pkt. Sweet Alyssum.....	10c	1 pkt. African Marigold.....	10c
1 " Calendula.....	10c	1 " Morning Glory.....	10c
1 " Candytuft.....	10c	1 " Double Poppy.....	10c
1 " Cosmos.....	10c	1 " Nasturtium.....	10c
1 " African Daisy.....	10c	1 " Verbena Mixed.....	10c
1 " Scarlet Flax.....	10c		
1 " Larkspur.....	10c		
			\$1.20

## FLOWER SEED COLLECTION No. 8—\$1.00

25 Full Size Packets

Full Value \$2.35 for \$1.00

Specify Collection No. 8

1 pkt. Sweet Alyssum.....	10c	1 pkt. Gypsophila.....	10c
1 " Antirrhinum (Snapdragon).....	10c	1 " Mexican Fire Bush.....	10c
1 " Calendula.....	10c	1 " Larkspur.....	10c
1 " California Poppy.....	10c	1 " African Marigold.....	10c
1 " Calliopsis.....	10c	1 " Good Mixed Pansies.....	15c
1 " Candytuft (Mixed).....	10c	1 " Petunia, Mixed.....	10c
1 " Bachelor Button.....	10c	1 " Double Poppy.....	10c
1 " Coreopsis.....	10c	1 " Verbena Mixed (Mammoth).....	10c
1 " Cosmos.....	10c	1 " Tall Nasturtium.....	10c
1 " Dianthus (Pinks).....	10c	1 " Dwarf Nasturtium.....	10c
1 " African Daisy.....	10c		
1 " Japanese Morning Glory.....	10c		
1 " Gaillardia.....	10c		
			\$2.35

BUY THE BEST—WE DO

(PLANT A LAWN  
—See page 10 )

# ZINNIAS

## Mammoth Size

Very easily grown, producing flowers of wonderful pastel shades and immense size.

Take advantage of these BARGAIN COLLECTIONS

### ZINNIA COLLECTION No. 9

SIX 15c PKTS. DOUBLE GIANT ZINNIAS  
Full Value 90c for 50c

SPECIFY COLLECTION No. 9

Double Giant	Burnt Orange.....	15c	
"	"	Golden Yellow.....	15c
"	"	Pink Shades.....	15c
"	"	Scarlet.....	15c
"	"	White.....	15c
"	"	Lavender.....	15c

\$ .90



ASSORTED ZINNIAS

### ZINNIA COLLECTION No. 10

5 Special Packets of Our Wonderful Zinnias

Full Value \$1.15 for 75c, Postpaid

Specify Collection No. 10

1	Special Pkt.	Giant Double Dahlia Flowered	25c	1	Special Pkt.	Zinnia—Victory Quilled	25c		
1	"	"	Zinnia—Picotee Mixed	25c	1	"	"	Zinnia—Double Giants Mixed	15c
1	"	"	Zinnia—Giant Buttercups	25c					

\$1.15

PLANT MORE ZINNIAS—No flower can surpass them for beauty and hardiness during the hot summer months when flowers are scarce.

### ZINNIA COLLECTION No. 11

10 Special Packets of Our Wonderful Zinnias

Full Value \$1.90 for \$1.00, Postpaid

Specify Collection No. 11

1 Special Pkt.	Giant Double Dahlia Flowered	25c	Double Giant	Burnt Orange	15c
"	Zinnia—Picotee Mixed	25c	"	Golden Yellow	15c
"	Zinnia—Giant Buttercups	25c	"	Pink Shades	15c
"	Zinnia—Victory Quilled	25c	"	Scarlet	15c
			"	White	15c
			"	Lavender	15c
					\$1.90

\$1.90

### VINE COLLECTION No. 12

PLANT MORE VINE SEEDS FOR SUMMER SHADE

12 Pkts.—A Full Collection of the Best Vine Seeds

Value \$1.35 for 75c

Specify Collection No. 12

Australian Pea Vine.....	10c	Hyacinth Bean.....	10c
Balloon Vine.....	10c	Japanese Hop.....	10c
Balsam Apple.....	10c	Kudzu Vine.....	15c
Scarlet Runner Beans.....	10c	Moon Vine.....	10c
Canary Bird Flower.....	10c	Morning Glory.....	10c
Cardinal Climber.....	25c		
Cypress Vine.....	10c		

\$1.40

### ANTIGONON LEPTOPUS

PLANT IN JANUARY, FEBRUARY AND MARCH—ORDER EARLY

A BEAUTIFUL PERMANENT VINE, BEARING LOVELY SHELL PINK BLOSSOMS

Antigonon Leptopus—(Queen's Wreath)—Admirably adapted to our climate in the Salt River Valley. Grows an immense vine early, kills down by frost, and grows the following Spring from the roots. There are only a few of these to be found in the Valley, but those few excite no end of comment during September and October, when they are covered with a mass of beautiful pink blossoms.

(Medium size tubers, per clump, 50c), (Large tubers, per clump, 75c).



# LAWN SEED

Level the ground carefully, pulverizing all lumps and removing all stones. Enrich with Gro-more fertilizer at the rate of one pound to 20x20 and rake it in. Scatter the seed evenly over the surface at the rate of two pounds to 10x10 for Australian Rye, one pound to 10x20 for Blue Grass and one pound to 500 square feet for Bermuda Grass, then apply a mulch of sand or well rotted fine manure. Water carefully and regularly, not allowing the surface to dry out until the grass is up. In the Salt River Valley and similar climates, Australian Rye Grass should be planted from September 15 to March 1 and Bermuda Grass during the Summer months.

## AUSTRALIAN RYE GRASS

This is the most popular grass in the Southwest for a winter lawn. Plant two pounds to 10x10 feet, from September 15 throughout the Winter. Prepare a fine seed bed, sow the seed and rake in very lightly, and then spread a thin mulch of fine decomposed manure over the surface. Keep well-watered with a fine spray.

AUSTRALIAN RYE GRASS—(Lb. 30c), (10 lbs. \$2.50), postpaid.

## WHITE CLOVER

Strictly first-class seed, clean and pure, of the highest quality. Used for a mixture in the Fall and Winter lawn. Plant one pound to 2000 square feet.

WHITE CLOVER—(Lb. \$1.00), (10 lbs. \$9.00), postpaid.

## BERMUDA GRASS

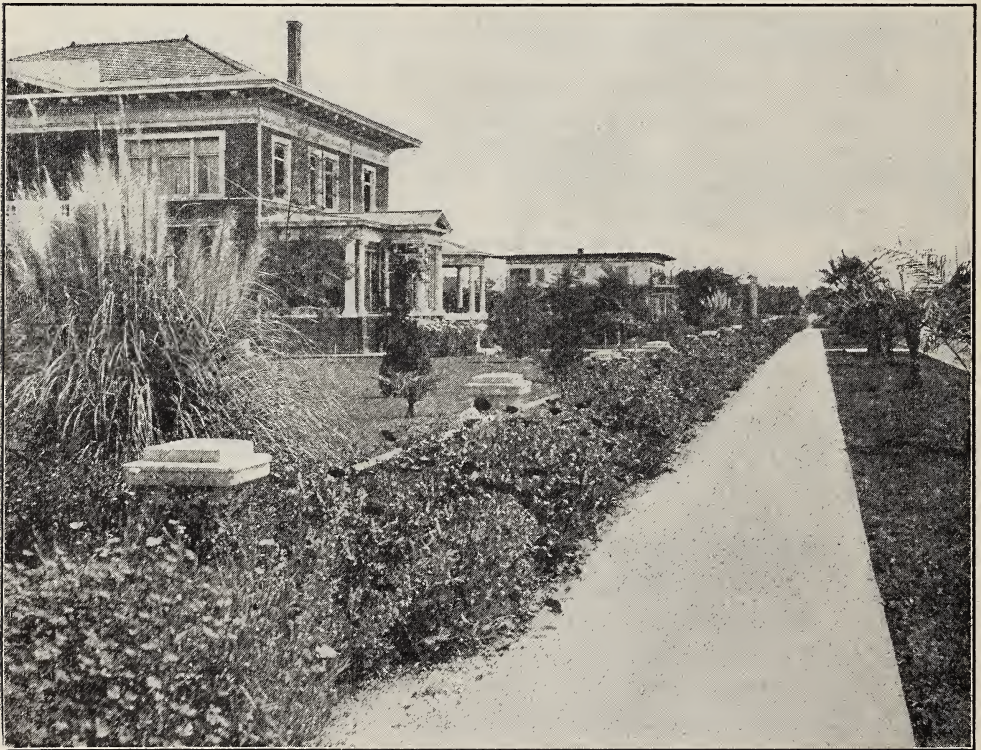
Selected from our very best fields and thoroughly re-cleaned. Requires three weeks under favorable conditions to germinate. A light mulch of pulverized manure and frequent watering will greatly aid germination. Plant one pound to 500 square feet.

BERMUDA GRASS—(Lb. 75c), (10 lbs. \$6.50), postpaid.

## KENTUCKY BLUE GRASS

A suitable lawn for the higher altitudes and mountain districts of the Southwest; also used in warmer sections for Winter lawns. Sow one pound to 200 square feet.

KENTUCKY BLUE GRASS—(Lb. 75c), (10 lbs. \$6.50), postpaid.



WINTER SCENE, MID-WINTER, PHOENIX, ARIZONA

Poppies and Scarlet Flax Bordering Walk



## ASPARAGUS—Esparrago

Use one ounce to 60 ft. of row, 5 lbs. to the acre.

### CULTURAL DIRECTIONS

Sow during February and March in beds broadcasted or in rows, covering about one inch. A light straw mulch on the surface will prevent soil from crusting. Seed should be soaked 24 hours before sowing. The following January or February transplant to rows three or four feet apart and one foot apart in the rows, with at least six inches of soil over the roots; light loamy soil is preferable. Much time and labor

will be saved by planting two-year-old roots. See page 39.

**PALMETTO**—An early and productive sort, throwing light green shoots, slightly tinted pink. This variety is very popular among market gardeners. We can supply roots of these about January 15th, and later.

Seed, (Pkt. 10c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

Absolutely the best variety for Arizona conditions.

## ARTICHOKE—Alcachofa

**GREEN GLOBE**—Grown for the undeveloped flower heads, which are cooked like asparagus. When once planted it lasts several years. Seed

should be sown in frames and plants transplanted to the open when large enough.

Seed, (Pkt. 10c), (oz. \$1.20), postpaid.

## BEANS—Frijole

WRITE FOR QUANTITY PRICES

### CULTURAL DIRECTIONS

Beans require well drained loamy soil and frequent cultivation. Use manure sparingly as it has a tendency to run the plants to too much vine. Irrigate beans only when necessary and do not flood the vines. Cultivate before the soil has a chance to crust. For a Spring crop plant in late February, March and early April. For Fall crop plant in August and early September. Bush beans should be planted about three inches apart in three-foot rows at the rate of one lb. to 80 ft. of row and from 75 to 100 lbs. per acre. Plant pole beans at the rate of one lb. to 200 ft. of row or 40 lbs. to the acre. We list herein only varieties that are strictly adapted to our climatic conditions. For mildew on beans use powdered sulphur. (See page 81 for Insecticides).

cooked dry. Owing to the limited supply we can offer them only in small quantities.

(Pkt. 10c), (lb. 75c), postpaid.

### BUSH VARIETIES

#### IMPROVED STRINGLESS GREEN POD

—This is by far the leading green pod variety, possessing the invaluable quality of bearing pods without strings or threads. Our stock is particularly adapted to Arizona conditions and is a wonderful producer.

(Pkt. 10c), (½ lb. 20c), (1 lb. 35c), (10 lbs. \$3.00), postpaid.

**BLACK WAX**—A very popular variety for the home garden, being one of the earliest and bearing round meaty pods of deep golden yellow. It is almost entirely stringless and carries the excellent flavor for which all wax beans are noted. (Pkt. 10c), (½ lb. 20c), (1 lb. 35c), (10 lbs. \$3.00), postpaid.

**IMPROVED GOLDEN WAX**—Although this is not the earliest dwarf bean it is a sure and heavy cropper. The quality is good, it being entirely without strings or fibres at all stages until maturity. Pods are of rich golden yellow.

(Pkt. 10c), (½ lb. 20c), (1 lb. 35c), (10 lbs. \$3.00), postpaid.

### LIMA BEANS

**BURPEE'S BUSH LIMA**—Large seeded and very early maturing. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**LARGE LIMA**—A pole variety, large seeded, bearing usually three to four beans in a pod. (Pkt. 10c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**AZTEC BEANS**—First discovered in the old Aztec ruins of Arizona. It is very large, somewhat resembling a Lima, except that it is round. The Aztec is at home in arid sections and produces enormous crops of fine plump beans that may be either shelled green and cooked or



IMPROVED STRINGLESS GREEN POD

### POLE BEANS

Plant three to four feet apart each way.

**KENTUCKY WONDER**—This large green pod bean should be planted as early as possible in the Spring and again the latter part of July, and to August 15th. The Fall crop does remarkably well if staked. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**KENTUCKY WONDER WAX**—Very similar to the green pod. Prolific and of good quality. Plant during June and July in Southern climates. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**BROAD WINDSOR**—The celebrated Broad Bean of England, growing on a strong stalk two feet high; beans eaten shelled.

(Lb. 30c), (10 lbs. \$2.50), postpaid.



**BUY THE BEST—WE DO**

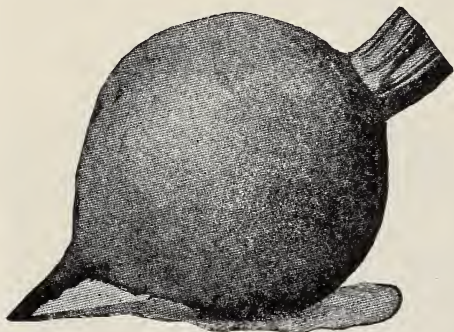


# BEET—Betabel-o-Remolacha

## CULTURE

In the small garden beets may be grown in rows 12 inches apart, in the field 18 to 24 inches. They may be planted from August 1 to June 1. One ounce of seed will sow 50 feet of row and six or seven pounds are required for an acre. If the soil is in perfect condition beet seed will germinate readily, but they should not be planted in wet, soggy ground in the Winter time.

Frequent cultivation is necessary for rapid and tender growth. While it is true beets will endure considerable drouth and neglect, growing under these conditions they become woody and ill shaped, particularly in our heavy adobe soil. Keep them well cultivated and they will produce table size beets in 65 to 70 days.



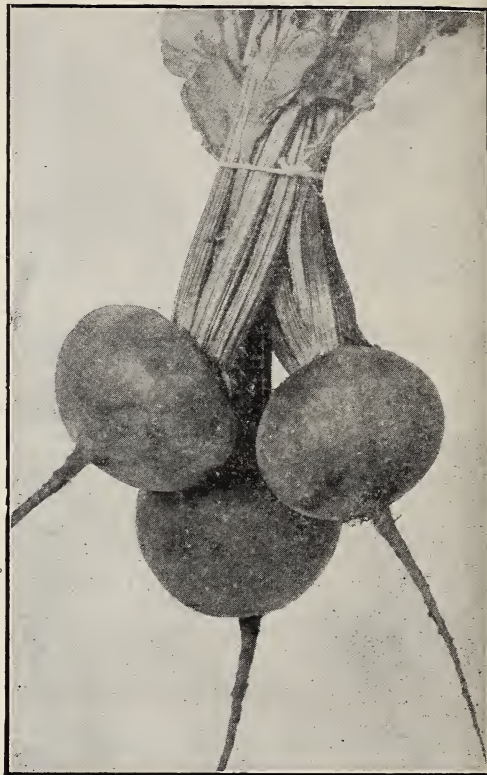
**BEET — ECLIPSE**

**ECLIPSE**—Not quite as early as the Egyptian. It is nearly round and has a small top. The flesh is of a bright red color, very fine grained, tender and sweet. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**CROSBY'S EGYPTIAN**—A medium sized beet, very early and of small top. It is a globe variety of deep crimson, sweet and tender. We recommend it highly for market gardeners or home garden. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.



**SWISS CHARD**



**BEET — CROSBY'S EGYPTIAN**

**EXTRA EARLY EGYPTIAN**—An early dark red flat variety, which we recommend for late Spring and Summer planting, it having been thoroughly demonstrated by Salt River Valley market gardeners that it is far superior to any other for planting at this time. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**EARLY BLOOD TURNIP**—One of the early sorts; turnip shaped, dark red and of medium size. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**DETROIT DARK RED**—One of the best for home or market garden use. Medium sized, globular or nearly round, with a fine grained, dark red flesh. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**LONG BLOOD**—A splendid variety for sandy soil, but should be avoided if soil is heavy as it is almost impossible to harvest them. Flesh is very dark red and beet long, symmetrical shape. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**SWISS CHARD**—A foliage beet used for greens. Cook the leaves as you do Spinach and the stems in cream like Asparagus. You will find it delicious. Excellent for green feed for poultry. It may be cut above the crown and will come again. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.50), postpaid.

**BUY THE BEST—WE DO**

(Planet Jr. Seeders and Cultivators will save you both time and money. See pages 75 & 76)



# STOCK BEETS FOR FEEDING

**STOCK BEETS** have for years been recognized as a most valuable feed for hogs, sheep and cattle, throughout Europe, Canada and also the Eastern and Middle Western States of America.

Stock Beets are one of the finest fat and milk-producing crops we have today and when fed in conjunction with grain they are worth nearly as much, pound for pound, as the grain itself.

Stock Beets also furnish excellent food for chickens and rabbits.

## PRODUCTION AND COSTS

The average production of Stock Beets at our trial grounds was 35 tons per acre. This is not exceptional—80 tons per acre has been reported.

## CULTURE

**STOCK BEET SEED** should be sown about one inch deep, in well cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre. Beet Seed is very hard and does not germinate as easily as other seeds, therefore the soil should be very moist at the time the seed is planted. If the soil should be dry it is advisable to soak the seed in lukewarm water for 24 hours before planting.

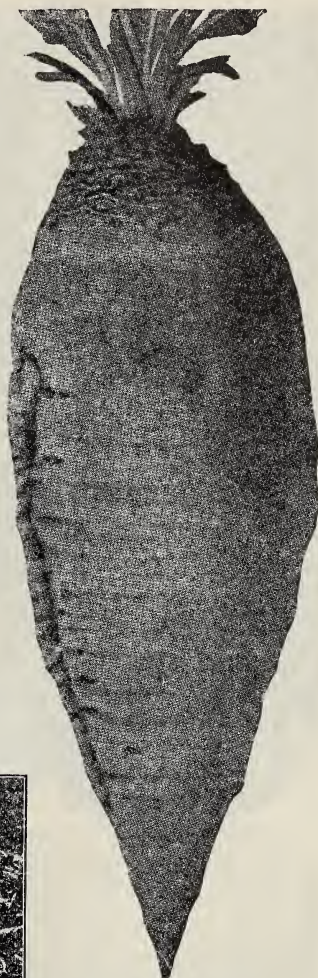
**MAMMOTH LONG RED**—A very large mangel and a heavy cropper. Skin is red, flesh white, zoned with red. This is the most popular variety grown. (Pkt. 5c), (oz. 15c), (lb. 60c), (10 lbs. \$6.00), postpaid.



STOCK BEETS—FIELD SCENE

**GIANT HALF SUGAR ROSE**—We have seen specimens of this variety in the Salt River Valley weighing 45 pounds, and have heard of them weighing 70 pounds. (Pkt. 5c), (oz. 15c), (lb. 60c), (10 lbs. \$6.00), postpaid.

**WHITE KLEIN WANZLEBEN**—Without a doubt the best sugar beet in cultivation. Not the largest in size, but the richest in saccharine. It will fatten hogs as quickly as grain. (Pkt. 5c), (oz. 15c), (lb. 60c), (10 lbs. \$6.00), postpaid.



STOCK BEET  
Mammoth Long Red

**GOLDEN TANKARD**—A large yellow sort growing about half out of the ground. (Pkt. 5c), (oz. 15c), (lb. 60c), (10 lbs. \$5.00), postpaid.



# CABBAGE—Col-Repollo

## CULTURE

Well knowing the first essential of successful Cabbage growing to be good seed, we are giving it our undivided attention and the results have been most gratifying. The seed we offer is of the most highly selected strains and will produce wonderfully tender, crisp cabbage.

In the southern valleys of Arizona seed should be sown the latter part of August and during September in shaded beds, the shade to be of burlap or something that may be removed before plants become spindling. For small heading varieties, such as Early Winningstadt and Jersey Wakefield, plant in rows three feet apart and 18 inches apart in the row. Begin transplanting as soon as plants are large enough and cultivate constantly.

One-half pound of seed should be planted to grow plants for one acre.

The illustrations appearing on these pages are from actual photographs taken of seed field specimens.



**CABBAGE—EARLY WINNINGSTADT**

**EARLY WINNINGSTADT**—One of the best for general use, being a medium sized head, very solid and of uniform shape. It is the leading variety for Southern Arizona, and our strain of seed is selected from a sure-heading type. (Pkt. 10c), (oz. 35c),  $\frac{1}{4}$  lb. \$1.20), (lb. \$3.50), postpaid.

**SLUIS BROTHERS NO. 2**—This variety matures between the Copenhagen Market and the Winningstadt. It is round headed, gets larger than the Copenhagen and does not crack easily. It has done splendidly under dry weather conditions, developing perfect heads. We recommend it for both early and late. The heads are very solid and will keep almost as well as those of the Danish Winter Cabbage. (Pkt. 10c), (oz. 40c), ( $\frac{1}{4}$  lb. \$1.35), (lb. \$4.00), postpaid.

**EARLY JERSEY WAKEFIELD**—Slightly larger than the Winningstadt, heads conical shape and very compact. A good second early variety. (Pkt. 10c), (oz. 35c), ( $\frac{1}{4}$  lb. \$1.20), (lb. \$3.50), postpaid.

**EARLY FLAT DUTCH**—Very hardy, handsome, solid and of fine quality; particularly desirable for shipping to distant market. (Pkt. 10c), (oz. 35c), ( $\frac{1}{4}$  lb. \$1.20), (lb. \$3.50), postpaid.

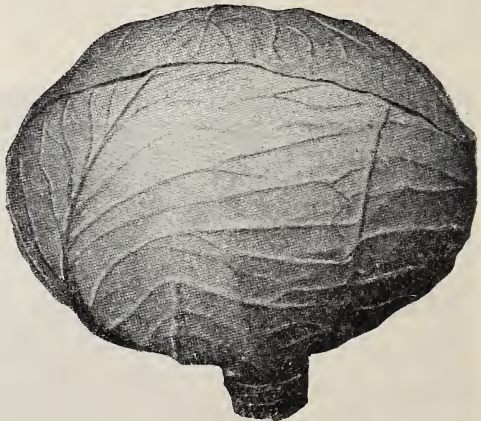
USE DRY ARSENATE OF LEAD FOR  
CUT WORMS ON CABBAGE  
SEE PAGE 81



**ALL HEAD EARLY**

**ALL HEAD EARLY**—A thoroughbred sort of remarkable uniform size and shape, and sureheading qualities. Deep flat heads, solid and uniform in color, and in tenderness unsurpassed. By reason of its compactness one thousand more heads can be obtained from one acre than of any other good-sized varieties. (Pkt. 5c), (oz. 40c),  $\frac{1}{4}$  lb. \$1.35), (lb. \$4.00), postpaid.

**RED DUTCH**—Fine solid, dark red heads, used for boiling or pickling. This variety carries a flavor all its own. (Pkt. 10c), (oz. 40c), ( $\frac{1}{4}$  lb. \$1.35), (lb. \$4.00), postpaid.



**DANISH BALLHEAD—Cactus Brand**

**DANISH BALLHEAD**—A medium sized very solid variety which will remain in good condition longer than most sorts. It is one of the hardest Winter cabbages we have. Being a very strong grower, it demands a reasonably rich soil and will respond readily to fertilizer. We cannot recommend Cactus Brand Danish Ballhead too highly. (Pkt. 10c), (oz. 40c), ( $\frac{1}{4}$  lb. \$1.35), (lb. \$4.00), postpaid.

**LATE LARGE FLAT DUTCH**—A large flat head with a few useless outer leaves. Cuts white and crisp. Grows low with a very short stem. (Pkt. 10c), (oz. 35c), ( $\frac{1}{4}$  lb. \$1.20), (lb. \$3.50), postpaid.



## CABBAGE—Col-Repollo



A FIELD SCENE OF CACTUS BRAND COPENHAGEN MARKET CABBAGE

### CACTUS BRAND COPENHAGEN MARKET

IS ONE OF THE EARLIEST ROUND HEADED CABBAGES

It is only a few days later than the Jersey Wakefield and the yield is much higher. The spherical heads reach, even with very small growing space, an average weight of about nine pounds. The stem is low, the leaves, in relation to the size of the head, are very small and fine. One great feature about Cactus Brand Copenhagen Market is that about 95 per cent of the heads are suitable for cutting at the same time so that the land may be cleared almost completely at one cutting. Under favorable growing conditions this Cabbage will mature in 12 to 15 weeks from time of transplanting and it is gradually becoming a favorite among gardeners and shippers.

Arizona climatic conditions are unsettled. During the Cabbage season we may have a great variety of weather within a week and it takes a hardy strain of seed to produce a plant that will be a success under these conditions. Cactus Brand Copenhagen Market will prove hardy under arid climatic conditions and will produce a crop. (Pkt. 10c), (oz 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

### CAULIFLOWER—Coliflor

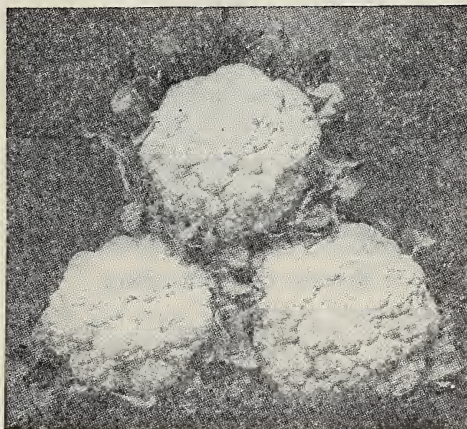
ASK FOR OUR SPECIAL PAMPHLET

Especially popular as a winter crop and with market gardeners proves a profitable crop, owing to the scarcity of good market vegetables when Cauliflower is at its best. It is easy to grow in the garden, providing the soil is made rich and porous. Plant seed the latter part of July and during August and September in Southern Arizona. In the higher altitudes plant the same as cabbage. Set in rows 24 inches apart and 14 inches apart in the row.

**HENDERSON'S EARLY SNOWBALL**—A medium sized early variety. Heads are pure white and well protected by outer leaves. (Pkt. 25c), (¼ oz. \$1.00), (oz. \$3.50), (¼ lb. \$10.00), (½ lb. \$18.00), (lb. \$35.00), postpaid.

**LARGE PEARL**—Heads much larger than Snowball and a trifle later. Planted at the same time a second crop is ready for market when the Snowball is gone. (Pkt. 10c), (¼ oz. 65c), (oz. \$2.00), (¼ lb. \$6.65), (lb. \$20.00), postpaid.

(If you find this catalog interesting and instructive, please tell your neighbors. We will gladly mail them one on request.)



HENDERSON'S SNOWBALL

**BUY THE BEST—WE DO**



## CHINESE CABBAGE



**CHINESE CABBAGE**

Grow the same as you do lettuce—transplant to 10 inches apart in rows 12 inches apart.

One trial of this wonderful little cabbage will convince the grower that he has been missing something in the vegetable line. It is tender, crisp, blanches itself and is equally good raw or cooked. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.25), (lb. \$3.75), postpaid.

## COLLARDS—Col

An old time vegetable used for greens and green chicken feed. In Southern Arizona may be planted in Spring or Fall.

**TRUE GEORGIA**—(Pkt. 10c), (oz. 20c), (¼ lb. 60c), (lb. \$2.00), postpaid.

## CRESS or PEPPER GRASS

Sow thickly in shallow drills during February, March, September and October. Used for salads and for garnishing. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), postpaid.

**WATER CRESS**—Sow the seed in cool, moist soil or near shallow running water. (Pkt. 10c), (oz. 60c), (¼ lb. \$2.00), postpaid.

## BRUSSELS SPROUTS

### Berza de Bruselas

Seed should be sown the latter part of July in a shaded bed and transplanted, when large enough, to rows three feet apart and 18 inches apart in the row. If lice appear spray with a solution of Black Leaf 40 and fish oil soap.

**TRUE IMPORTED**—Produces on the stem compact sprouts resembling miniature cabbages. A delicious vegetable. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

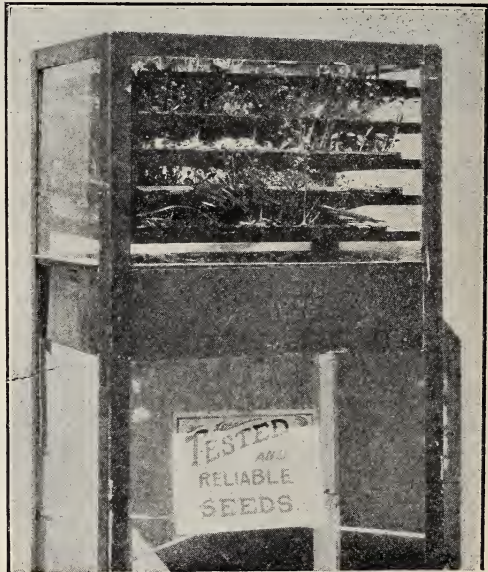
## CELERY Apio

(1 oz. to 3,000 plants or 200 feet of drill)

Sow the seed from January 1 to April 1, in drills 6 inches apart, not too thick in the row, to secure stalky plants. When the plants are strong, transplant to furrows four feet apart and 6 inches deep. Set the plants 6 inches apart in the furrows. As the plant grows, fill the earth toward the plant to secure proper bleaching. Never allow dirt to rest in the heart of the plant. Never work in Celery when it is wet with rain.

**GOLDEN SELF-BLANCHING**—This is the variety being planted this Fall in the Salt River Valley. The very handsome color of the crisp, heavy stalks, their freedom from stringiness, and excellent flavor make this a market favorite. (Pkt. 10c), (oz. 80c), (¼ lb. \$2.65), (lb. \$8.00), postpaid.

**GIANT PASCAL**—Grown to some extent in the Salt River Valley, more particularly for the home market, for it is considered too crisp for shipping. The stalks are large, thick, solid and very brittle. (Pkt. 10c), (oz. 35c), (¼ lb. \$1.20), (lb. \$3.50), postpaid.



The above illustration shows one of our methods of testing all garden and field seeds.

## SEED TESTING

To insure our customers as much as possible from purchasing seed of low vitality, we are constantly testing various varieties of seeds—both field and garden—using for the purpose modern electric testing and germinating machines. As a result of our efforts along this line, we are in a position to detect inferior goods and eliminate the seed from our stock. Any seed failing to meet the requirements and which we have reason to believe would not give entire satisfaction, are immediately removed from stock and not offered to our customers. We believe that work of this nature is worth while and when we consider we are here to give value received and cannot do so unless we put out high quality seeds, we figure that this work is more than justified, and, in the long run, we are more than repaid, for it means "satisfied customers."

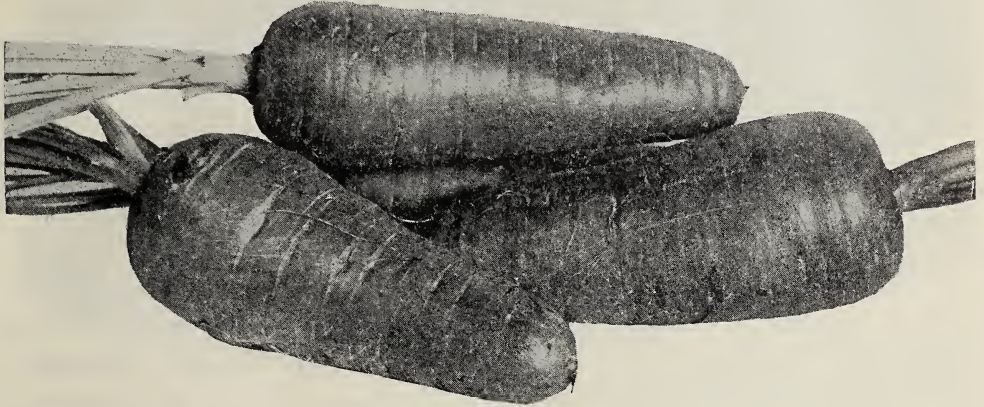
**BUY THE BEST—WE DO**

(See page 10 for Lawn Grass Seed)



# CARROT—Zanahoria

The Carrot is one of the most wholesome and nutritious of our garden roots and it may be prepared in many appetizing ways. There is probably no root crop that will produce as much food on the same amount of land as the Carrot. In Southern valleys they may be left in the ground all Winter. Our Cactus Brand Carrot seeds are great producers under arid conditions. Plant plenty of them.



IMPROVED CHANTENAY

## CULTURE

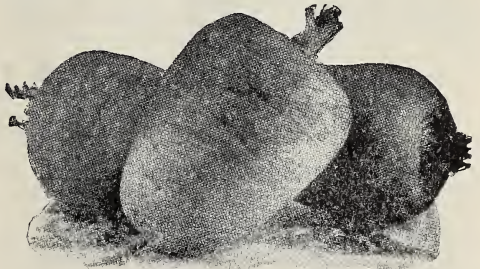
The Carrot is very easily grown, being perfectly hardy in all temperatures which come to Southern Arizona. Seed should be sown from September to May in drills 10 inches apart on ridges. It requires four pounds of seed for an acre or one ounce to 100 feet of drill. They are ready for table use in eight to ten weeks after planting, and remain good for three to four months. We especially recommend the Improved Chantenay Carrot for the family garden.

Sow in drills 15 to 18 inches apart, covering the seed one-half inch deep. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered.

**DANVERS HALF LONG**—The best for general crop, will yield the most per acre. Most profitable for market gardeners. This variety originated in Massachusetts, where the raising of carrots is made a special business. On account of its productiveness and adaptability to all classes of soils it is now the most popular carrot grown. Tops are medium size, roots deep orange, large but of medium length, tapering uniformly to a blunt point. Smooth and handsome flesh, sweet, crisp and tender. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**IMPROVED CHANTENAY**—Flesh a deep golden orange, roots smooth and very symmetrical. In size it ranks as intermediate between the Danvers and Ox Heart. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market, its splendid table qualities keep it in demand. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**IMPROVED LONG ORANGE**—The roots grow uniform and smooth, of large size and deep rich orange color. A good keeper, of fine quality for table use and excellent for stock. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.



OX HEART CARROT

**WHITE BELGIAN**—Purely a stock variety, growing to enormous size; flesh and skin white and very sweet; a yield of 15 to 20 tons to the acre is not unusual. The crop is easily gathered and makes a splendid food for Rabbits, Cattle, Horses and Hogs. (Pkt. 5c), (oz. 15c), (¼ lb. 40c), (lb. \$1.00), postpaid.

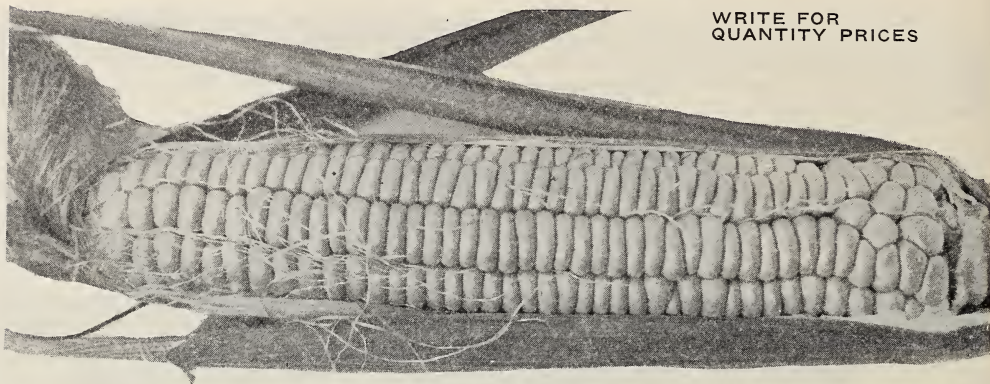
**OX HEART**—Beautiful shape and color. The roots generally attain four or five inches in length. Very tender and sweet. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

## CELERIAC

or TURNIP ROOTED CELERY

**LARGE, SMOOTH PRAGUE**—A large celery root used for flavoring soups. (Pkt. 10c), (oz. 35c), (¼ lb. \$1.20), (lb. \$3.50), postpaid.

# SWEET CORN—Maiz Dulce



WRITE FOR  
QUANTITY PRICES

## EARLY ADAMS

### CULTURE

Sweet Corn should be planted in the Spring, when all danger of frost is over and when the ground is warm enough to prevent the seed from decaying. Yellow Dent, Sacaton June and Hickory King may be planted in July as well, and Sweet Corn in August and early September. One pound of seed will plant about 200 feet of row and about 10 pounds is required for one acre.

Plant in hills 18 inches apart, with rows three feet apart. Plant four or five seed to the hill, but do not allow more than two stalks to stand, and remove all side shoots. Cultivate after each irrigation until corn shades the ground; this is very important. Irrigation should be governed largely by the texture of the soil, but never allow the soil to become dry.

All varieties listed here are successfully grown in Arizona. For larger quantities than found listed, write for special prices. For Corn Worm, we recommend dusting with Arsenate of Lead.

**ADAMS EXTRA EARLY**—Not a sugar corn, but one that is planted extensively by market gardeners. We have reports of it having reached the marketing stage in 52 days. (Pkt. 10c), (lb. 25c), (10 lbs. \$2.00), postpaid.

**COUNTRY GENTLEMAN**—An old standard variety of very fine quality. Kernels are deep and ear is somewhat smaller than most sweet corns. Matures in about ten weeks. Plant in

March and July. (Pkt. 5c), (lb. 35c), (½ lb. 20c), (10 lbs. \$3.00), postpaid.

## Improved Golden Bantam

An extra early sort of exceptionally fine flavor. Once tried always grown. For Southern Arizona, plant in March and August.

(Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**OREGON EVERGREEN**—The most popular and best main crop variety of the Sugar Corns. Of good strong growth, about six feet high. Ears keep in good condition for boiling a remarkably long time. Oregon Evergreen is a very early variety of excellent flavor and large size. Valuable as a fodder corn on account of its succulent stalks. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**STOWELL'S EVERGREEN**—The standard sort of main crop everywhere. Ears large, deep grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

# FIELD CORN

## FOR ROASTING EARS

**SACATON JUNE**—This variety of corn is, without doubt, the very best for the entire Southwest, whether planted on dry land or irrigated ground. It produces a large, tapering ear with 14 to 20 rows of long, pure white kernels. The husk clings tightly to the ear and is very tough and thick, so much so that it is bothered less by worms than any other corn that grows. Stalks from 10 to 15 feet high and the ears are produced 5 to 7 feet from the ground. For roasting ears in a hot, dry climate, it is unequalled. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for prices on larger quantities.

### POP CORN

**WHITE RICE**—Most popular variety, very prolific. Ears short; kernels long, resembling rice in shape. Color white. (Pkt. 10c), (lb. 30c), (10 lbs. \$2.50), postpaid.

**YELLOW DENT**—A very heavy yielding sort with long, soft kernels. Ears average 10 inches in length and have 16 rows. The only yellow corn for this section. Excellent for roasting ears in 85 days. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for prices on larger quantities.

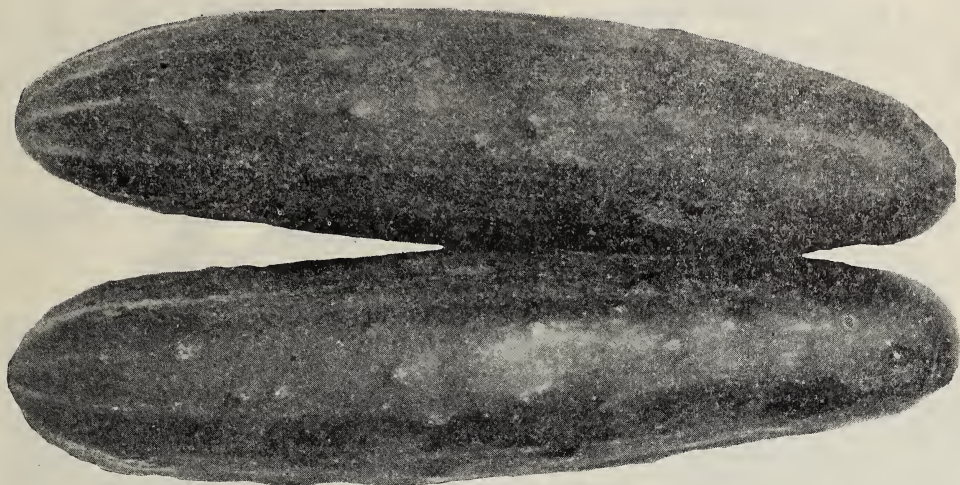
**HICKORY KING**—Is a distinct variety which has come very much into favor for either dry land or irrigating. Has a very wide grain and extremely large cob. The ears are from 8 to 10 inches in length and are generally borne two to four ears per stalk, making it very productive. It makes excellent roasting ears and is often used in place of sugar corn. Grows to a height of 7 to 9 feet and is in every way highly desirable. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for prices on larger quantities.

**BUY THE BEST—WE DO**

(Plant Hairy Peruvian Alfalfa. See page 42)



## CUCUMBER—Pepino



ARIZONA DAVIS PERFECT  
( See front cover )

### CULTURE

Cucumbers should be grown in hills four feet apart each way, eight to ten seeds in a hill, covered as lightly as can be trusted to retain the moisture until the plants take hold. Plant in August and early September for Fall crop. They require an abundance of water and frequent cultivation to obtain best results. When danger of insects is past, thin plants to three or four in a hill. If planting is done after the soil has become warm, they will be ready for the table in six weeks after planting. One ounce of seed will plant 50 hills and two lbs. an acre.

**KLONDIKE**—A splendid variety of the Wehit Spine family. For slicing only. (Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**IMPROVED LONG GREEN**—Dark green, growing 10 to 12 inches long. An old favorite. (Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.50), postpaid.

**BOSTON PICKLING**—One of the best pickling varieties, being of medium size and dark green. (Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**ARIZONA DAVIS PERFECT**—For market gardeners this is the ideal cucumber, because of its wonderful uniformity, it being, long, slender and tapering to the same shape at both ends. They pack well in crates or boxes and present a beautiful appearance. (Pkt. 10c), (oz. 25c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**EARLY WHITE SPINE**—Suitable for slicing. Very uniform, solid and crisp. Vines are of vigorous growth. (Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**LEMON**—A new variety the color of a lemon when ready to use, and similar in shape but less pointed at the ends. Produces about four times as much fruit as any other variety. Flavor delicious; no bitter taste as is sometimes found in other cucumbers. (Pkt. 10c), (oz. 30c), (¼ lb. \$1.00), (lb. \$3.00), postpaid.

**JAPANESE CLIMBING**—While all cucumbers are running vines, this one is much more so. It is a distinct variety, readily climbing on poles or trellises. A pickling variety. Quality is splendid. (Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.50), postpaid.

## HERBS

### HERBS IN COOKING

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars, no order for garden seeds should fail to include them.

Anise	Borage	Coriander	Chives	Lavender	Sorrell
Basil	Catnip	Chervil	Dill	Roselle	Sweet Thyme
Balm	Chicory	Caraway	Fennell	Sage	Wormwood

(All 10c per pkt., 3 pkts. for 25c, dozen packets, \$1.00, postpaid).

(Use Nico Dust for Aphs on Cucumber Vines. See page 81)

**BUY THE BEST—WE DO**

# VEGETABLE SEEDS

## MUSTARD—Mostaza

Sow in the Spring or Autumn. Not particular as to soil, though a medium heavy one is best.

**OSTRICH PLUME**—So called for its feathery appearance. Ornamental as well as useful. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

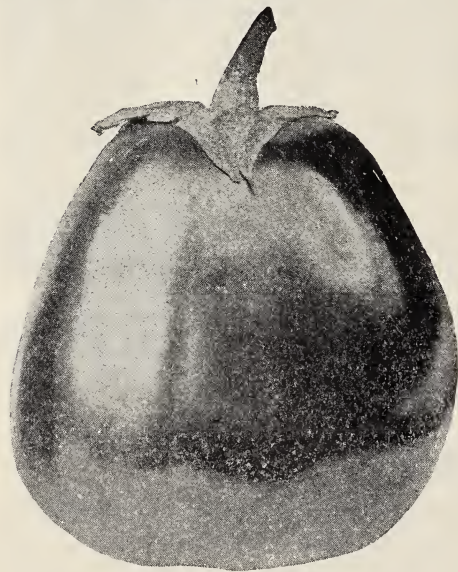
**SOUTHERN GIANT CURLED**—Leaves large, 14 to 16 inches in length, which are cooked like spinach and have a very agreeable flavor. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

**WHITE LONDON**—Best for salads or medicinal purposes. (Pkt. 5c), (oz. 15c), (lb. 75c), postpaid.

## ENDIVE

Sow any time except during the extreme heat in Summer. When plants are three or four inches high, transplant to rows 18 inches apart. After plants are well grown, gather up leaves and tie at tips into a loose bunch to bleach the inner leaves. This vegetable is highly esteemed as a salad, and grows to perfection here. One ounce of seed will sow 150 feet.

**GREEN CURLED**—Leaves are finely cut or lacinated, giving the plants a rich, mossy appearance which is greatly enhanced when the centers are nicely blanched. This is the variety generally preferred because it blanches to a beautiful golden yellow. (Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.



ROUND PURPLE

## EGG PLANT—Berengena

This popular vegetable is indeed at home in Southern Arizona, 40 to 50 pounds of perfect specimens having been produced on a single plant. Since the seed is slow to germinate, great care must be taken in preparing the bed. Sow in hot beds or boxes and transplant when danger of frost is past. Plant two feet apart in 4-ft. rows. It is important to secure a rapid and continuous growth, therefore frequent

watering and cultivation is necessary. Our acclimated seed is the best to be had. One ounce of seed will produce about 1000 plants.

**IMPROVED ROUND PURPLE**—Large oval-shaped, deep purple fruits. (Pkt. 10c), (oz. 75c), (¼ lb. \$2.50), (lb. \$7.50), postpaid.

**FLORIDA HIGH BUSH**—A large fruited purple sort; very popular among Southern growers. Fruit is held up well off the ground. The plant is vigorous and very productive. (Pkt. 10c), (oz. 75c), (¼ lb. \$2.50), (lb. \$7.50), postpaid.

**BLACK BEAUTY**—A handsome extra early large variety. (Pkt. 10c), (oz. 75c), (¼ lb. \$2.50), (lb. \$7.50), postpaid.

## LEEK—Puerro

**CULTURE**—Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the Spring as it does not bulb. The neck or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 16 to 20 inches apart and the plants 10 to 12 inches apart. Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when they are about as thick as a good-sized goose quill they should be transplanted.

**LARGE LONDON**—A large and strong plant. (Pkt. 10c), (oz. 35c), (¼ lb. \$1.15), (lb. \$3.50), postpaid.

## KALE or BORECOLE Breton Berza

**CULTURE**—This is a very popular boiling green and in Arizona can be grown the entire year. It resembles cabbage in flavor; is a hardy plant and can be grown easily from seed. We consider the Tall Scotch variety the best. Seed should be sown thickly in drills, during the Spring and Fall months. Transplant to 12 inches apart in 4-ft. rows. One ounce will plant 100 feet of drill.

**TALL SCOTCH**—Grows to a height of about 2½ feet. (Pkt. 10c), (oz. 25c), (¼ lb. 65c), (lb. \$2.00), postpaid.

## KOHLRABI—Colinabo

**CULTURE**—This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around, with the exception of the hottest months. Plant it like turnips and thin to six inches apart in row. One ounce of seed will produce 2000 plants.

**EARLY WHITE VIENNA**—Early and tender, having a flavor all its own. (Pkt. 10c), (oz. 30c), (¼ lb. \$1.00), (lb. \$3.00), postpaid.

## GARLIC SETS

Garlic has become a very profitable crop in the Salt River Valley. The demand is always good and prices are high. It should be planted in climates similar to Salt River Valley during October and November. In the higher altitudes during the Spring season. In planting separate the little bulbets and plant the same as onion sets. One pound will plant 50 feet of row.

(Per lb. 40c), postpaid. Ask for quantity price.

**BUY THE BEST—WE DO**

(Take advantage of our Vegetable and Flower Seed Collection Offers—See pages 7, 8 and 9)



# LETTUCE- "Arizona Wonderful"



This is, without question, the **LEADING HEAD LETTUCE** on the market, and we have had no end of praise from our many friends who have grown it.

The **LARGE, CRISP, TIGHT** heads are of the finest quality, weighing on an average of **TWO POUNDS** each.

Plant this truly **WONDERFUL** Lettuce in your garden.

We supply hundreds of pounds of this lettuce to growers who make a business of shipping to the Eastern markets in carload lots. This class of trade demands the **BEST** and most reliable **TRUE-TO-TYPE** seed. Our repeat business from this source proves our seed to be of superior quality.

SEE FRONT COVER FOR SALT RIVER VALLEY LETTUCE FIELD, PRODUCED FROM OUR SELECTED SEED.

**(Pkt. 10c), (Oz. 50c), ( $\frac{1}{4}$  Lb. \$1.65), (Lb. \$5.00), Postpaid.**

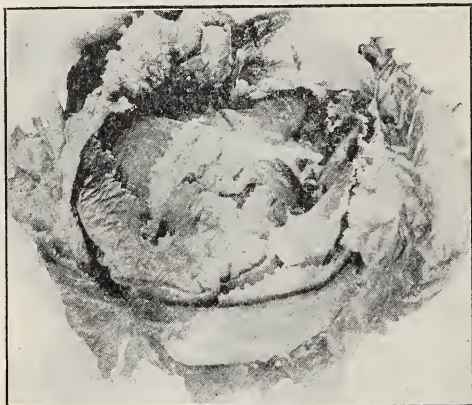
WE WILL GLADLY MAIL OUR CATALOG TO ANY OF YOUR FRIENDS AND NEIGHBORS WHO ARE INTERESTED IN GARDENING.

# LETTUCE—Lechuga

**CULTURE**—Lettuce is very exacting as to soil requirements. It is best suited to a rich, light loam, and should never be planted on soils of poor quality. Irrigation is necessary throughout the entire growing period, except during the rainy season, but the crop is easily ruined by an excess of water. The crop stands cold better than heat.

At the time of planting, the soil should be in the finest possible condition. The plants should be grown on ridges, 12 to 18 inches wide, four to six inches high and 10 to 15 inches apart. The water should be run between the ridges and not flow over the tops, and should never be allowed to cover the plants. There should always be an adequate amount of moisture in the soil from the time the plants have commenced to head until they have matured.

Cultivation is necessary after each irrigation as the soil should never be allowed to harden around the plants. Hard head lettuce, such as Arizona Wonderful, New York, Big Boston and Hanson, should be planted from September on and Iceberg head lettuce and leaf lettuce in January, February and March. In warm weather the lettuce should be cut early in the morning and never when the heads are wet, as in that condition they will heat and quickly rot. The field is gone over from two to five times during the cutting season. Plant from 2 to 3 pounds of seed to the acre.



**ICEBERG LETTUCE**

**ICEBERG**—A splendid Head Lettuce. For Spring planting—compact, tender, crisp, creamy white heads. Grows a solid head in midsummer and is highly praised by all users. Grow this large, crisp, tender and sweet Summer heading lettuce when other varieties will not head. We recognized the superior quality of this Iceberg Lettuce long ago and with our recommendation it is grown more extensively than any other lettuce during the Spring. (Pkt. 10c), (oz. 25c), (¼ lb. 85c), (lb. \$2.50), postpaid.

## LEAF LETTUCE

**DENVER MARKET**—For the family garden plant this variety broadcast on ridges allowing it to grow thick. Tender bunches may be cut in a few weeks after planting and it will continue to grow together, as thinned for table use. Very fine, crisp and early. (Pkt. 10c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**EARLY CURLED SIMPSON**—A very popular variety of loose leaf lettuce. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**PRIZEHEAD**—One of the very best loose bunching or non-heading varieties. Leaves brown, very early and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce in cultivation. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

## HEAD LETTUCE

**New York Market**—Hardy, uniform heads, wavy light green outer leaves with the center bleached pure white. Crisp, tender and with a flavor that never fails to please. In planting New York Market Lettuce, be sure to thin out to ten inches between plants, as it does not head well if allowed to grow thick.

(Pkt. 10c), (oz. 50c), (¼ lb. \$1.65), (lb. \$5.00), postpaid.

**WHITE PARIS COS**—The best variety of the Cos Lettuce. Forms a large, light green plant with the head well folded and quite solid. Cos Lettuce is also called Romaine, and while it is little known here it is highly prized in Europe, and should be planted more extensively here. It is brittle, milky and very sweet, having a flavor not found in any other lettuce. (Pkt. 10c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**BIG BOSTON**—Large solid heads of a light green color. Leaves smooth, broad and thin. We have experimental plots of this variety this year. (Pkt. 10c), (oz. 25c), (¼ lb. 85c), (lb. \$2.50), postpaid.

**IMPROVED HANSON**—An old time head variety. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**Catch Mr. Gopher  
with  
MACABEE TRAPS**  
25c each; \$2.75 per dozen

**BUY THE BEST—WE DO**

(For Mammoth Zinnias—  
easily grown—See page 57)

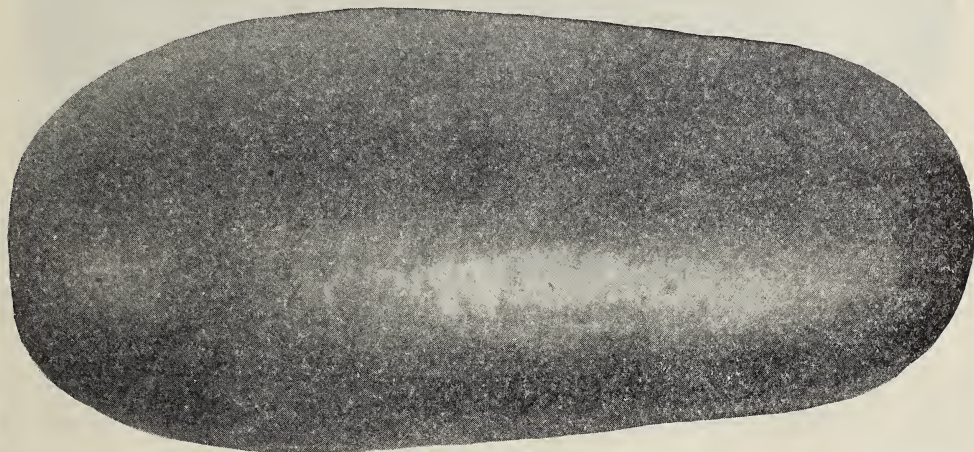


# WATERMELONS—Zandia

## CULTURE

Plant the seed in a furrow, dropping six seeds every eight or ten feet apart; cover about two inches. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When the vines are safely established, thin out, leaving only two vines to the hill. It is a good plan to establish your rows by throwing the soil toward the center, with one round of plowing, and cultivate every week during the early growth of the plants. This gives deep cultivation at the time it is needed, mulches the soil properly, makes proper rows slightly raised in the center, allowing a low place between for irrigating, as soon as the nature of the soil will permit. If these instructions are carefully followed you will have thrifty vines throughout the season.

Use one ounce of seed for the average garden. One ounce will plant 20 to 30 hills. Three pounds is required to the acre.



KLECKLEY'S SWEET

## OUR CACTUS BRAND KLECKLEY'S SWEET

### Good Producer—Good Flavor—Good Shipper

It is quite difficult to make a choice of Watermelons. There are hundreds of varieties and most all of them have some good qualities, but after having tested many of them, we have boiled the list down to what seems to be the most popular varieties. The Cactus Brand Kleckley's Sweet has given wonderful results and each year we find the sale increasing. It is an excellent shipper, ripens early and the flavor is fine.

By careful selection we have produced a uniform size, medium rind and a bright red flesh. For local market or for shipping you will find Cactus Brand Kleckley's Sweet a winner. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), (5 lbs. \$5.00), (10 lbs. \$9.00), postpaid.

WRITE FOR OUR ATTRACTIVE QUANTITY PRICES

**WHITE SEEDED CHILIAN**—By far the most popular melon for home garden, it being small and of very fine flavor. Flesh a rich, deep red, ripening to a very thin rind. It is almost round in shape, having a rind of dark green slightly striped. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50). postpaid.

**BLACK SEEDED CHILIAN**—Has all the admirable qualities of the white seed melon. Grows a little smaller, has a very thin rind of rich green color, and if anything is a little more sugary. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**ALABAMA SWEET**—The best melon grown for shipping. Oblong, very sweet, dark green, faintly striped, entirely stringless; very prolific. We cannot recommend this melon too highly. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

## New Watermelon, "Irish Grey"

New and good watermelons don't come often but this new South Georgia variety is one that has attained great popularity on its merit. It's a combination melon equally good for shipping or home use, being equal to or better than the Watson in that respect. It's sweet; the flesh is red, crisp and free from stringiness and in color of rind a mottled greenish grey, entirely distinct. Rind is thin but very tough. Long distance shipments go through perfectly. Vines very vigorous, healthy and hold up and produce fine melons late into summer when other sorts die out. Plant "Irish Grey" for home or market use and you will be delighted. It's as satisfactory a Melon as there is grown.

(Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00). postpaid.



# WATERMELONS—Zandia



## CACTUS BRAND TOM WATSON

### Very Large—Very Profitable

An extra large Melon of attractive appearance, uniform shape and very fine flavor. The average Cactus Brand Tom Watson will weigh 40 pounds, and we had specimens this past season weighing 65 pounds. It is an excellent shipping Melon and commands a good price on any market, due to its very large size. The tonnage per acre is enormous. The Cactus Brand Tom Watson and Kleckley's Sweet make an excellent combination for large shippers.

(Pkt. 5c), (oz. 20c), (¼ lb. 40c), (5 lbs. \$5.00), (10 lbs. \$9.00), postpaid.

### WRITE FOR OUR ATTRACTIVE QUANTITY PRICES.

#### GRAY MONARCH

##### Sweet and Fine

This is a very large Melon. The rind is green mottled with gray and the flesh is a bright crimson. It is long and grows to enormous size, making an excellent type for home, hotel and restaurant trade. In addition to this it is of delicious flavor and its bright crimson flesh gives it a tempting appearance. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**TRUE AUGUSTA RATTLESNAKE**—This melon rapidly deteriorates unless it is severely rogued, therefore we take particular care in seed selection. It is elongated gray, with green stripes; good size, with maximum of 50 to 60 pounds. Seed white with black ears; flesh crisp and excellent. Medium early. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

**ICE CREAM**—A medium sized oval melon of bright green color, finely veined with a darker green shade. The flesh is a bright scarlet, shading to golden yellow and is very sweet and sugary. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**THE EXCEL**—A new black-seeded melon that has made a sensation in the South. Its surpassing merits are in the size (average weight per melon in car is 35 pounds), enormous yield and excels all others as a shipper. We planted an acre on our trial grounds and find it is not only all that is claimed for it, but we were surprised at the excellence of its flavor. We recommend it to all shippers who want a very large melon. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**HALBERT'S HONEY**—This melon ripens early in all melon-growing districts. The melons are of cylindrical oblong form, with smoothly rounded ends. The rind is thin, the flesh crimson and of the very finest flavor. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**KLONDIKE**—One of the best melons grown for home use. The rind is very thin and of a medium green color. The flesh is a bright red, tender and deliciously sweet. The Klondike is not a shipping melon, for the rind is too thin. It does not make a heavy vine, therefore in the hot valleys of Southern Arizona it should be planted in the same hill with other varieties growing a strong vine. This protects the melon from the hot sun and the planter is rewarded with the most delicious fruit in the melon line. (Pkt. 10c), (oz. 35c), (¼ lb. \$1.00), (lb. \$3.00), postpaid.

**SWEETHEART**—Remains in condition for use longer than any other sort. Fruit early, large, oval and very solid. Flesh bright red, tender and sweet. Rind thin but strong, making it a good shipper. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

## FLORIDA FAVORITE

Oblong in shape, very early and a good shipper. Flesh light crimson, crisp and deliciously sweet. This melon is a favorite among shippers in the Salt River Valley.

(Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), (5 lbs. \$4.50), (10 lbs. \$8.50), postpaid.

**BUY THE BEST—WE DO**

(For Melon Aphid use Black Leaf 40 and Fish Oil Soap or Nico Dust. See pages 79 to 83)



# WATERMELON—Sandia



## ANGELENO WATERMELON

**WHITE SEEDED ANGELENO**—This melon is highly praised on the Phoenix market because of its excellent shipping qualities, uniform shape and fine flavor. It is almost round, with a beautiful dark green rind which makes it attractive to the buyer. Do not pick until the yellow shows slightly through the green and you will never disappoint your customer with a green melon. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

## THE NEW BLACK SEEDED

## ANGELENO WATERMELON

A combination of the unexcelled qualities of the famous Angeleno and the favorite black-seeded Chilian. Undoubtedly a melon of par excellence and a prime favorite for the market. The sweet crisp meat of this melon, together with its crisp, sugar crystal formation, endears it upon first use. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$2.00), postpaid.

## CITRON MELONS

### GREEN SEEDED OR STOCK CITRON

One of the most productive of the stock melons. They will keep indefinitely. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

### PRESERVING CITRONS

The Red Seeded type is most desirable for preserves, the flesh being solid and white. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

### GREEN FLESH

## Honey Dew Melon

### THE LAST WORD IN FLAVOR

**Honey Dew Melon**—The average size of this melon is six inches in diameter and seven to eight inches in length, weighing about six pounds. The skin is smooth and is a creamy yellow when ripe. The flesh is an emerald green, very thick, and of the very finest flavor, having a mingling of banana, pineapple and vanilla. It begins maturing about ten days later than cantaloupes and is very prolific. The melon slips from the stem, and for home use they should not be pulled until they reach that stage. Because of their keeping qualities they are excellent shippers, many carloads of them going East the past season. (Pkt. 10c), (oz. 25c), (¼ lb. 85c), (lb. \$2.50), postpaid.



## GOLDEN HONEY DEW

Developed from a sport from the green meated Honey Dew. The flesh is a rich golden color. Very sweet and spicy. Many prefer it and it should pay the grower well. Size slightly smaller than the green meated Honey Dew and a few days earlier to mature. (Pkt. 10c), (oz. 30c), (¼ lb. \$1.00), (lb. \$3.00), postpaid.

## ACME CORN PLANTER

(For Melon Aphid use Nico Dust or Black Leaf 40. See pages 79 to 83)

Used for Planting Canteloupe and Watermelon  
f. o. b. Phoenix,

Each \$2.00

*BUY THE BEST—WE DO*



## MUSKMELONS—Melone or CANTALOUPE

### CULTURE

Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. It is highly important that your soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, as quickly as the moisture has thoroughly penetrated and the soil is in a tillable or workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart, according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow about it with soil until level with surface. Continuous cultivation is now necessary and where soil conditions require, systematic irrigation should be followed. Do not, however, irrigate close to the plant as it will cause dampening off, and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. One and one-half to two pounds of seed is used to an acre.



### IMPROVED EDEN GEM

Without doubt this is the best general purpose melon on the market today. It is uniform, well netted and a fine melon for market or home use. Several carloads of them were shipped from this valley last season and they commanded a good price. The above photograph will give some idea of their uniformity. They produce wonderfully and ship well. The meat is green, with a slight salmon tint in the seed cavity. Our seed is from first cut select melons only and will produce the finest melons you ever had in your garden.

(Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.00), postpaid.

**ROCKY FORD**—Thoroughbred. Rust resistant. The past season proved beyond all doubt that this melon is far superior to any for production in our Southern valleys. Of the many varieties planted this one was the most uniform and the best netted. The shape is slightly oval, skin a rich, greenish gold when fully ripe and the flesh a light green. We can recommend it highly for home or local market. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

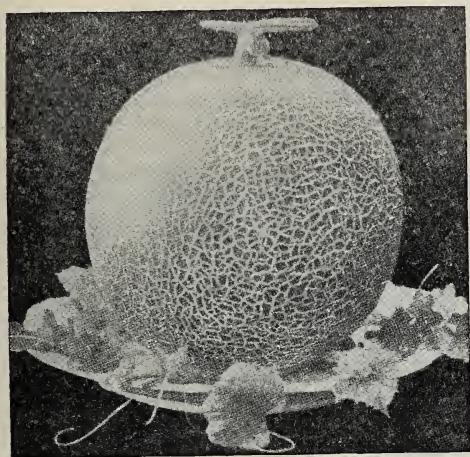
**IMPROVED FORD HOOK**—A new Arizona production. This melon is our own selection. It is of standard size, round and well netted. The flesh is a rich salmon with a small seed cavity. The flavor is excellent, being rich and sweet to the rind. We think this will prove to be one of the very best local market melons. (Pkt. 10c), (oz. 25c), (¼ lb. 65c), (lb. \$1.75), postpaid.

(We are headquarters for Insecticides,  
Sprayers and Dusters—See pages 79-83)

**BUY THE BEST—WE DO**



# No. 1025—IMPROVED SALMON TINTED



No. 1025

## Improved Salmon-Tint No. 10-25

This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint, shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been successful in the East, in the West, and in the South. It is a prolific yielder and has been pronounced by every one who has used it as the ultimate in salmon-fleshed melons. (Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.00), postpaid.

## Delicious Gold-Lined ROCKY FORD

The shape is ideal, being slightly oval, and it is heavily netted over the entire surface. The flesh of the entire melon is noticeably thick, fine grained and sweet. The color is green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut.

(Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.00), postpaid.

**EMERALD GEM**—A salmon-fleshed variety of remarkably fine flavor and fine quality. Fruit small, globular, slightly flattened at the ends; skin only slightly netted; very thick and well ripened close to the rind. (Pkt. 10c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

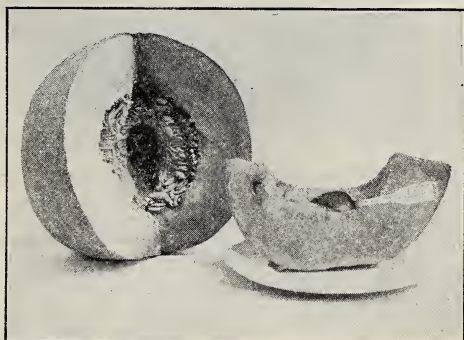
**EXTRA EARLY HACKENSACK**—This valuable variety is ready for market fully ten days ahead of the well-known Hackensack, which it much resembles in shape and quality. The melons are of good size, weighing from five to ten pounds each; excellent for market and private garden. Our acclimated stock is very select. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**MONTREAL MARKET**—The large fruits are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. The flesh is two inches thick, light green, melting and of delicious flavor. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**TIP TOP**—This melon is slightly larger than the Rocky Ford and is very much in favor as a short distance shipper and a local market melon. It is green fleshed, oval with flattened ends. The seed cavity is small and the flesh firm. (Pkt. 10c), (oz. 20c), (¼ lb. 85c), (lb. \$2.50), postpaid.

**BURREL'S GEM**—A very fine melon with a small seed cavity and rich solid yellow meat. It is well netted, of uniform size and of most excellent flavor. Frequently referred to as a pink meat. Many cars of this variety are shipped from the Salt River Valley each year. (Pkt. 10c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**PAUL ROSE**—Handsome; oval; new variety; rich orange; flesh very sweet. (Pkt. 10c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.



## PERSIAN MUSKMELON

(Hybrid Muskmelon)

This is a large melon, 8 to 10 inches in diameter, and is heavy for its size. The melons are heavily netted and are globular. Its color is bright orange. The flavor is different from other melons, and comes out delightfully when the melons are well ripened. Do not try to eat them until fully ripe. Many persons prefer Persian Melons before all other sorts.

(Pkt. 10c), (oz. 60c), (¼ lb. \$2.00), (lb. \$6.00), postpaid.

# CASABA MELONS

## Plant More Casabas

Cultivate the same as muskmelon, and plant, according to your locality, from February 15 until July 15; for late shipping, June 1 to August 1 seems to be the best time for planting.

Picking at the proper time is very important. If desired for immediate use do not pick until the rind will give under pressure, using the thumb to determine this. If rind is firm the melon is not ripe and full flavor has not yet developed.

Casabas can be picked green and held in storage until ripe. Green melons are used for shipments of any distance. Do not pick for shipment until the melon has lost its shiny appearance.



## GOLDEN BEAUTY

**Golden Beauty** — Grows from six to eight inches in diameter, nearly round, color a perfect golden yellow and rind very hard. This is perhaps the best flavored variety of casaba.

(Pkt. 10c), (oz. 25c), ( $\frac{1}{4}$  lb. 80c), (lb. \$2.50), postpaid.

**WINTER PINEAPPLE**—The true Winter sort. Large green fleshed melon, having a corrugated skin and a decided pineapple flavor. Pick after the melon has lost its green lustre, and store in a cool, dry place until thoroughly ripe. (Pkt. 10c), (oz. 25c), ( $\frac{1}{4}$  lb. 80c), (lb. \$2.50), postpaid.

**IMPROVED HYBRID**—Smooth rind, white flesh and of fine flavor. Excellent for local market or shipping. (Pkt. 10c), (oz. 25c), ( $\frac{1}{4}$  lb. 80c), (lb. \$2.50), postpaid.

# P E A N U T S

## A GREAT AMERICAN FOOD

Plant more peanuts—they are one of America's best and cheapest foods. One pound of whole peanuts contains nearly one-half pound of fat and one-fourth pound of protein, while one pound of beefsteak yields less than one-third as much and one pound of eggs less than one-fifth that amount. The demand for peanuts as a food is increasing by leaps and bounds and great strides are being made in its culture and consumption. Thousands of acres are planted in the United States every year, the average yield being 34 bushels per acre.

Peanuts require a five to six months' growing season. In Southern valleys they should be planted in March or April, when danger of frost is over; they will then mature about September. It requires about 10 pounds shelled or 15 pounds of unshelled nuts to plant an acre. Plant about 20 inches apart in the row and the rows 3 feet apart. In irrigated districts plant level and gradually hill to row. Irrigate about three times per month during hot weather and cultivate after each irrigation.

**SPANISH**—The small variety used principally for hog feed and oil. (lb. 35c), (10 lbs. \$3.00), Postpaid to 1st, 2nd and 3rd zones.

**VIRGINIA BUNCH**—The large variety used for roasting and for peanut butter. (Lb. 35c), (10 lbs. \$3.00). Postpaid to 1st, 2nd and 3rd zones



# ONIONS—Cebolla

## CULTURE

For the small garden for which these instructions are intended we advise planting only Bermuda Onions, the Crystal White Wax, the Sweet Spanish, the Australian Brown and the Yellow Globe Danvers. These are mild and



GREAT GREEN BUNCH ONION

good keepers and are suitable for green onions or mature. For green onions plant from Sept. 15 to March 1, in double rows six inches apart on ridges 12 inches apart at the rate of 4 oz. of seed to 100 feet of row. Thin out as pulled for table use and if any are left they will produce mature onions in five to seven months from planting. They will respond readily to liberal fertilization, chicken or barn yard manure being highly recommended. Some commercial fertilizers will force them but affect the keeping qualities.

If you contemplate an acreage of onions do not fail to get our illustrated catalogue on the Planet Jr. Planter. One of these famous planters will pay for itself in the saving of seed on one crop. Endorsed by many Arizona market gardeners. For field planting, 1 oz. of seed will plant 100 feet of row, and 3 pounds are required to plant an acre. Write for special prices in quantity.

**RED BERMUDA**—In shape, like the White Bermuda, color a pale red. Planted during January, matures latter part of June. No other onion is ready for use so quickly after planting seed. It is the right onion for the home garden. (Pkt. 10c), (oz. 30c),  $\frac{1}{4}$  lb. \$1.00), (lb. \$3.00), postpaid.

**AUSTRALIAN BROWN**—This onion has claimed a place in America within recent years and seems abundantly able to maintain it. It is of medium size and of good quality; very early; rather flattened in shape; of brown color, and wonderfully hard and mild. It begins to form a bulb at an early period of its growth, when only a few inches high and quickly reaches maturity. Its leading and most valuable quality is its long keeping quality. Properly handled it will keep for months. (Pkt. 10c), (oz. 20c), ( $\frac{1}{4}$  lb. 60c), (lb. \$1.75), postpaid.

**CRYSTAL WHITE WAX**—Teneriffe grown. A large white onion of the Bermuda type becoming more popular every year. It is mild and sweet, an excellent keeper and presents a beautiful appearance on the market, being of a waxy white, clean cut and uniform. It produces few seeds, therefore remains high priced, but regardless of the price a small quantity should be included in each order. (Pkt. 10c), (oz. 50c), ( $\frac{1}{4}$  lb. \$1.65), (lb. \$5.00), postpaid.

**GREAT GREEN BUNCH ONION**—Will produce green onions large enough for table use in about 75 days. (Pkt. 10c), (oz. 35c), ( $\frac{1}{4}$  lb. \$1.20), (lb. \$3.50), postpaid.

**WHITE BERMUDA**—Teneriffe grown. We import direct from the noted island of Teneriffe our seed which is grown by the most reliable seed grower in that celebrated district. This variety is more extensively grown in Arizona than any other and we recommend it and the Crystal Wax in preference to the many varieties usually offered in seed catalogues. For the reason that these few varieties have proven so highly satisfactory we limit our offerings to them and urge that these only be planted. The White Bermuda is a pale straw color, flat and very mild. (Pkt. 10c), (oz. 30c), ( $\frac{1}{4}$  lb. \$1.00), (lb. \$3.00), postpaid.

**YELLOW GLOBE DANVERS**—A very popular variety for home garden or market. Medium size, globular shape and mild. (Pkt. 10c), (oz. 25c), ( $\frac{1}{4}$  lb. 80c), (lb. \$2.50), postpaid.

**EXTRA EARLY BARLETTA**—A very early variety of medium size for pickling purposes. (Pkt. 10c), (oz. 50c), ( $\frac{1}{4}$  lb. \$1.65), (lb. \$5.00), postpaid.

**SILVER SKIN**—Planted principally by market gardeners for a bunch onion, but the White Bermuda answers the purpose better because of its mildness. The Silver Skin is of medium size and early. (Pkt. 10c), (oz. 40c), ( $\frac{1}{4}$  lb. \$1.35), (lb. \$4.00), postpaid.



AUSTRALIAN BROWN

## ONION SETS



ONION SETS

We are large dealers in Onion Sets. Ask us for quantity prices.

One lb. of sets will plant about 75 ft. of row—about 250 lbs. required for one acre.

Early Green Onions are obtained much earlier by setting out sets than by sowing seed. Seed, however, should be sown to follow the crop grown from sets. Usually our Sets are ready about September 15 and we can supply them until May.

**WHITE**—(Lb. 30c), (10 lbs. \$2.50), postpaid.

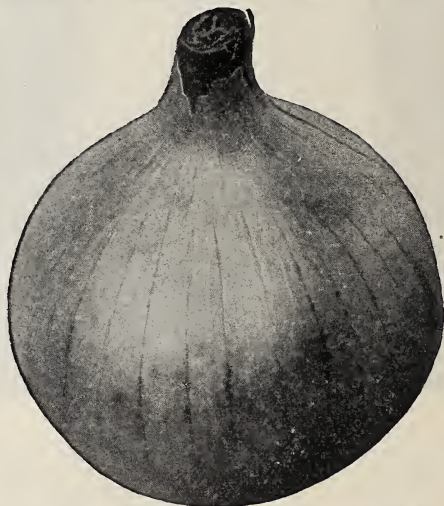
**YELLOW**—(Lb. 25c), (10 lbs. \$2.00), postpaid.

## OKRA or GUMBO—Quimbambo

This popular vegetable of the South is not largely grown in Arizona, but it is not because it doesn't thrive under Arizona conditions for we have had numerous fine specimens called to our attention. It requires generous water supply and responds readily to fertilizer and cultivation. Plants may be started in a bed and transplanted to the field, or seed may be sown after February 15, or when danger of frost is over, in drills and plants thinned to one foot apart. One ounce will sow 50 feet of row. It requires about 90 days to grow to marketing size.

**TALL GREEN**—Very productive. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.

**WHITE VELVET**—The well-known pickle variety. (Pkt. 5c), (oz. 20c), (¼ lb. 45c), (lb. \$1.25), postpaid.



ONION — ARIZONA SWEET SPANISH

## ONION — ARIZONA SWEET SPANISH

This onion was introduced from Spain several years ago and accepted with great favor in the Salt River Valley. It grows very large, light yellow in color, globe shaped with a small top and is an excellent keeper and shipper.

The unusual mildness and excellent flavor of the ARIZONA SWEET SPANISH has created a demand which exceeds by far the supply of seed available for this season. We were fortunate in securing a limited supply of the highest quality seed, and suggest that you order early to avoid disappointment. When our present stock is depleted there will be no more available until the Fall season of 1924.

(Pkts. 15c), (Oz. \$1.25), (¼ Lb. \$4.00), (Lb. \$12.00).

**BUY THE BEST—WE DO**

(Refer to page 57 for Giant Zinnias—Splendid for Summer Blooms)



# PEPPERS—Pimento o Chili

## CULTURE

Sow in hot beds in November and December, in boxes or cold frames in January and February, and in the field where they are to remain, in March. Plants grown in the bed should not be set in the field until the weather is warm and all danger of frost is past. The soil should be highly fertilized and plants should be kept well watered at all times. Plant in rows 30 inches apart and 18 inches apart in the row. One ounce of seed will produce 1000 plants.

### ANAHEIM CHILI

**CHILI**—Slender pod about seven inches in length, desired for slicing because of its freshness and slight pungency. It has no insect enemies and when dried the pods are not perishable, therefore it is a safe crop to plant and often proves very profitable. The estimated yield of dry peppers is one ton to the acre. (Pkt 10c), (oz. 50c), (¼ lb. \$1.65), (lb. \$5.00), postpaid.

**LARGE BELL or BULL NOSE**—An early variety and of mild, sweet flavor; the skin is quite fleshy, and of medium size. This is a very popular pepper. (Pkt. 10c), (oz. 80c), (¼ lb. \$2.65), (lb. \$8.00), postpaid.

**MEXICAN CHILI**—Red hot, green or ripe, just the thing for drying and flavoring Spanish dishes. It is a medium size, pear shaped pepper and turns a bluish black when dried. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.65), (lb. \$5.00), postpaid.

**PIMIENTO**—A sweet pepper, excellent for canning or salads. Every home garden should have a row of Pimientos. Stuffed and baked it is far superior to all other peppers. (Pkt. 10c), (oz. 60c), (¼ lb. \$2.00), (lb. \$6.00), postpaid.

## Chinese Giant Pepper

**CHINESE GIANT PEPPER**—A pepper of exceptional merit. It is very mild in flavor and is an ideal variety for the home garden. Produces enormous peppers measuring as much as five inches broad at the top and of equal length. It is highly productive, plants being so thickly covered that they appear to bear in clusters. Its flesh is thick, solid, but of fine texture, making the ideal stuffing pepper, for which purpose it is greatly and rightly famed. (Pkt. 10c), (oz. 80c), (¼ lb. \$2.65), (lb. \$8.00), postpaid.



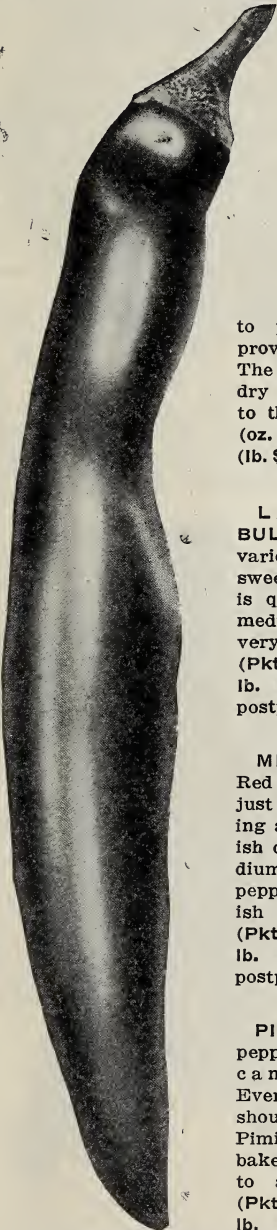
CHINESE GIANT PEPPER

## SWEET POTATO SEED

*Write for  
Prices*

(See page 40 for Pepper Plants)

**BUY THE BEST—WE DO**



ANAHEIM CHILI

# P E A S—Chicharos o Alverjon

Write for Quantity Prices

1 lb. to 80 feet of drill; 50 to 80 lbs. to the acre

## CULTURE

Peas should be planted during the months of September, October, November, January, February, March and April. They are very hardy and will stand a great deal of frost. Plantings made later than April will not prove very profitable, as they do not thrive in hot weather. In localities where frost does not occur until the middle of November, the quick-maturing sorts may be planted about the middle of September for a fall crop. Dwarf varieties can be planted in rows 1 to 18 inches apart, and the tall ones in rows 3 feet apart. When the planting is done during the cold months, the seed should be put down from 1 to 2 inches, and in the warmer months from 3 to 4 inches. In the garden the pods should be kept picked, as the plants will bear longer. The tall varieties will continue bearing much longer than the dwarf kinds.

**AMERICAN WONDER**—This is an early wrinkled pea of dwarf habit, the vines generally being about one foot high. It is very stocky, erect and prolific. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**EXTRA EARLY ALASKAN**—This fine pea has become a standard extra early market variety, and is the earliest of all blue peas; grows about 24 inches tall, is very uniform in maturing the crop, and of excellent quality. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**GRADUS**—An early wrinkled pea of the finest quality, bearing large pods well filled with the sweetest peas. It produces a **Telephone Pod** as early as the very early sorts, therefore we are recommending it for a shipper to replace the Tall Telephone. In an experimental plot this Fall we had vines bearing as many as 10 large luscious peas in a pod. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**YORKSHIRE HERO**—The ability of this pea to adapt itself to all conditions has made it a most popular variety in the Salt River Valley. It grows bushy, requiring no staking and yields abundantly. Pod is long and well filled with plump peas of delicious flavor. Our seed is selected by us in the field and is of the true acclimated stock. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

## BLUE BANTAM PEAS

The Largest Podded Early Variety

Here we are with a brand new pea for the Arid Southwest, and it's a dandy, too. It is conceded the largest, the finest of all early sorts, and the seed we offer is acclimated. The Blue Bantam is of dwarf type, growing only 16 to 18 inches high and requiring no support. The pods are very large and of a dark green color, filled with 8 to 10 large delicious peas. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**SENATOR PEA**—A second early sort bearing abundantly, large well-filled pods of good quality peas. It does not require staking. This variety is rapidly growing in favor among our customers, and our acclimated seed is without question giving results. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**EDIBLE POD SUGAR PEAS**—This class of peas is not generally known in the Arid Southwest, but the past season we demonstrated that they can be grown successfully. They grow about 18 inches high and produce broad flat pods which are prepared and cooked like string beans. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**PREMIUM GEM**—A very fine wrinkled pea with vines about 15 inches high, pods long and produced in abundance. A very profitable market variety. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**STRATAGEM**—A favorite on the Phoenix market. The pods are of a dark green color and remain firm several days after picking. A very strong grower, very prolific, pods of good size and well filled. Vines stand upright, require no stakes. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**TELEPHONE**—A pole variety growing about four feet high. The peas are large and of a pale green color. The pods are very large, containing 8 to 10 peas each. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.

**DWARF TELEPHONE**—A dwarf variety of the famous Telephone, bearing large, handsome pods of peas of the finest quality. An abundant bearer of long, broad, straight pods about 4½ inches long, well filled, frequently containing 9 to 10 peas; 1½ feet high. (Pkt. 10c), (½ lb. 20c), (lb. 35c), (10 lbs. \$3.00), postpaid.



STRATAGEM

**BUY THE BEST—WE DO**

(Inoculate Garden Peas with Nitragin. See page 43)



# PUMPKINS

## CULTURE

Plant in March, July and August, seven to ten seeds in a hill and hills eight feet apart each way. Planted with corn they do well and yield an abundance of good hog and cow feed. One pound of seed will plant about 400 hills. Four to five pounds to the acre. Heavy fertilization will produce wonderful results.



**SMALL SUGAR**

**SMALL SUGAR**—This is the pumpkin from which the celebrated Yankee Pumpkin Pie is made. About 10 inches in diameter is its average size. Skin is deep orange yellow, with fine grained flesh; handsome and an excellent keeper. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**MAMMOTH TOURS**—Immense size, often weighing 100 pounds, oblong, skin green; good exhibition sort, or for stock feeding. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**LARGE CHEESE**—A very productive Pumpkin, shape flat, skin mottled, light green and yellow changing to a rich crimson color. Flesh yellow, thick and tender. The Large Cheese will yield as many tons per acre as most other larger varieties and it is a much better market type than the ordinary field varieties, therefore we recommend it for a general purpose pumpkin. (Pkt. 5c), (oz. 20c), (¼ lb. 35c), (lb. \$1.00), postpaid.

**JAPANESE PIE**—A very valuable pumpkin of Japanese origin. The flesh is thick, of a rich salmon color, fine grained, dry and sweet. Very productive and highly desirable for pies or cooking. (Pkt. 5c), (oz. 20c), (¼ lb. 35c), (lb. \$1.00), postpaid.

**KENTUCKY FIELD**—Large, round, flattened, hardy and productive. One to two feet in diameter. It has thick flesh of extra fine quality and is a splendid sort for family and market use as well as for stock feed. (Pkt. 5c), (¼ lb. 35c), (lb. \$1.00), postpaid.

**IMPROVED CUSHAW**—This is a very fine large, smooth pumpkin, having a small seed cavity and fine grained flesh. It is excellent for pies and yields enormously. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**CONNECTICUT FIELD**—The world-famous corn field pumpkin, grown principally for stock feed. The vines are of strong, vigorous growth and heavy bearers. Under favorable conditions the Connecticut Field will yield about 15 tons per acre. (Pkt. 5c), (¼ lb. 35c), (lb. \$1.00), postpaid.



**HOLLOW CROWN PARSNIP**

## PARSLEY—Purijil

Parsley can be readily grown in Arizona by the use of a raised bed for Fall sowing. A light mulch will help to retain moisture, which will greatly aid in germinating the seed, as it is slow to start and cannot be covered deeply. One ounce of seed will produce about 500 plants.

**MOSS or TRIPLE CURLED**—Compact growing variety. Excellent for garnishing and flavoring. (Pkt. 10c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), Postpaid.

## PARSNIPS—Cheribia

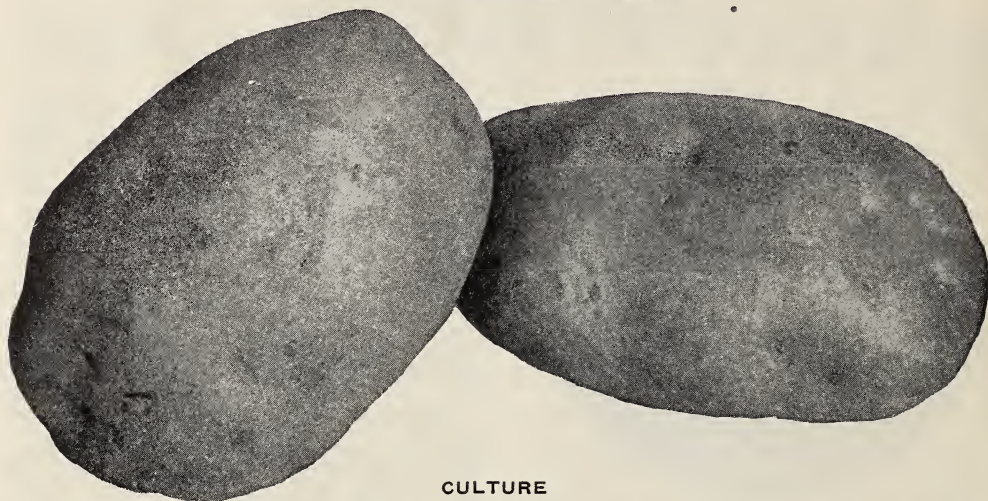
Best sown during cold weather, October to March. Succeeds best in rich moist soil. Sow thickly in drills one foot apart and one-half inch deep. When the plants are two or three inches high thin to about four inches apart and cultivate same as carrots. One ounce of seed will sow about 100 feet of row.

**HOLLOW CROWNED**—(Pkt. 10c), (oz. 30c), (¼ lb. 65c), (lb. \$3.00), postpaid.



# SEED POTATOES—Papás o Patata

Plant 600 lbs. to 800 lbs. to the acre



## CULTURE

Potato planting in Arizona begins in the Southern valleys by January first and gradually works north until May first.

Prepare the ground by deep plowing, thoroughly pulverizing and fertilizing with well-rotted manure. A sandy loam, reasonably rich in organic matter, is considered the best soil for potatoes; however, any soil that is light and easily worked and contains a good supply of plant food will grow them successfully. Most of our soils lack proper bacteria for growing potatoes, and a green crop, preferably a legume, should be planted in the Fall and plowed under at least two or three weeks before potato planting begins.

Small whole potatoes are the best for our conditions; however, pieces of potatoes with one or two eyes do very well if the weather is not too cold. The great difference in temperature between night and day is rather hard on the vitality of cut seed.

We recommend planting about 3 or 4 inches deep and in hills 9 inches apart in 3-ft. rows. Potatoes should be cultivated frequently, but should not be irrigated until absolutely necessary. There should be enough moisture in the soil before planting to carry the plants well along until the tubers are about the size of a walnut. This is very important.

## NOTICE

Potato prices are f.o.b. Phoenix. If they are wanted by mail, please add postage at zone rates. (See inside front cover). When ordering remit to us at the prices quoted here and we will fill your order at the market price prevailing the day it is received.

For 10- to 25-pound lots the parcel post rate is cheaper than express, but we recommend quantities of 50 pounds or more be sent by express or freight. If there is no agent at your station, please include prepaid charges.

## IRISH COBBLER

A very fine first early Potato of uniform size and good quality. Form oval and round, with a clean white skin and shallow eyes. Its strong growth, earliness, uniformity, large yield, fine quality and handsome appearance have made it a popular variety in all sections. (10 lbs. 80c), (25 lbs. \$1.75). Ask for quantity price.

## COCONINO RED

A red Potato produced in the northern part of Arizona under most ideal seed potato conditions. It is similar to the Triumph, but is not quite so early and produces heavier. They are round to oval in form and the quality is good. This variety is suited to high or low altitudes and is not particular as to soil. (10 lbs. 60c), (25 lbs. \$1.25). Ask for quantity price.

## BLISS TRIUMPH

A pink-skinned variety of extraordinary quality. Not the largest yielder, but it is the earliest potato we know of. The potatoes are of good size and of excellent quality. Under desert conditions, where moisture is not plentiful and a quick crop is necessary, the Triumph is very satisfactory.

(10 lbs. 80c), (25 lbs. \$1.75).

Ask for quantity price.

## Formula for Disinfecting Seed Potatoes

Dissolve one ounce of bi-chloride of mercury in one gallon of hot water. Add sufficient water to make seven gallons of liquid. Leave potatoes in solution for at least one and one-half hours. Wooden, stone or cement vessels should be used. This is imperative.

**BUY THE BEST—WE DO**

(90% of all orders are filled same day received)



# RADISH—Rabano

## CULTURE

Radishes may be sown any month in the year in any good garden soil. One ounce of seed will sow about 100 feet of drill, or a bed of 40 square feet.

By planting a small turnip variety and a long one at the same time a continuation may be had with fewer plantings. Sow in drills ten inches apart. An ounce of seed will plant 100 feet of drill, 10 pounds to the acre.

**EARLY SCARLET GLOBE**—Similar to the Scarlet Turnip, except that it is larger. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

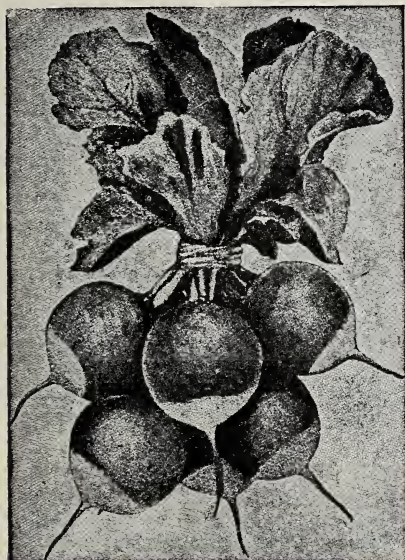
**EARLY SCARLET TURNIP**—One of the earliest and best sorts for forcing; its color is very handsome; flavor very mild, crisp and juicy; stands a great amount of heat without becoming pithy. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**EARLY LONG SCARLET**—Very brittle and crisp; color a bright scarlet; small top. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**CHINA ROSE**—A delicious radish, crisp, with little tendency to become pithy. A beautiful coloring from light red at the top to almost pure white at the tip. It is a good seller and is in great demand by the vegetable peddlers. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$2.00), postpaid.

**CALIFORNIA MAMMOTH**—Pure white; the flesh is tender, sweet and crisp, keeps well. Plant from September 1 to January. (Pkt. 10c), (oz. 25c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**MIXED RADISH**—This mixture, consisting of almost every known variety of radish, is deservedly popular throughout the country because it grows radishes suitable to each season and to every condition of soil. You are sure to have them early, medium and late; small, medium and large—something all the time. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.



WHITE TIPPED SCARLET TURNIP



LONG WHITE ICICLE RADISH

**WHITE TIPPED SCARLET TURNIP**—An early variety, of medium size and excellent flavor, and of a very handsome appearance. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**LONG WHITE ICICLE**—For the home garden we consider this a most excellent table variety. Its extreme earliness, beautiful pure white appearance, excellent flavor and crispness should make it a favorite everywhere. (Pkt. 5c), (oz. 25c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**EPICURE RADISH**—Ready for the table within three weeks; always crisp, a delightful relish. The small round red and white radishes make a pretty showing. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**CRIMSON GIANT**—A variety combining earliness and great size. It grows much larger than other extra early varieties, but does not become pithy, even when twice as large in diameter and a week older. We recommend it highly. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**FRENCH BREAKFAST**—A splendid variety, medium sized, olive-shaped, very crisp and tender; of a beautiful scarlet color. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

**CHARTIERS**—A distinct, exceedingly handsome and attractive sort; color white at the tip. Attains a large size before it becomes unfit for the table. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**JAPANESE WINTER RADISH**—This was introduced in the same manner as the Japanese Summer Radish, which it resembles except in size. It is more crisp and of better flavor in the winter season. It is pure white, grows about eight inches long and not as tapering as the larger one. (Pkt. 10c), (oz. 25c), (¼ lb. 85c), (lb. \$2.50), postpaid.

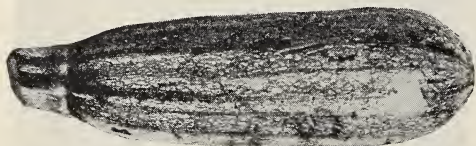
**ROUND BLACK SPANISH**—Skin black, flesh white, of firm texture. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.



# SQUASH—Calabaza

## CULTURE

The squash is very tender; it is destroyed by frost, and the seed is apt to fall in cold ground; therefore it should not be planted until all danger of frost is past. Plant in hills five feet apart for bush varieties, and six to eight feet apart for vining varieties, putting six to eight seeds in a hill. When plants are strong, thin to three in a hill. Of the bush varieties, one ounce will plant 40 hills, and of the larger seeded sorts, about 15 hills. Two to three pounds to the acre.



ITALIAN or ZUCCHINI SQUASH

**GOLDEN HUBBARD**—Similar to the Green Hubbard except in color, which is a deep orange. Flesh deep golden yellow, fine grained; cooks dry and is of excellent flavor. (Pkt. 5c), (oz. 20c), (¼ lb. 65c), (lb. \$2.00), postpaid.

**FORDHOOK**—One of the best late Summer varieties. Will keep well for months if stored in a cool, dry place. Thick skin of a bright yellow color; heavy meat that can be used at any stage of growth; fruits oblong in form, 8 to 10 inches in length; slightly ridged. (Pkt. 5c), (oz. 20c), (¼ lb. 60c), (lb. \$1.75), postpaid.

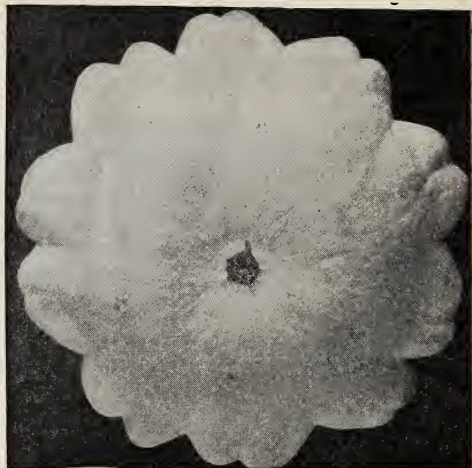


SQUASH—SUMMER CROOKNECK

**MAMMOTH SUMMER CROOKNECK**—A small, crook-necked Summer squash; skin bright yellow, covered with warty excrescences. Very early, productive and of excellent flavor. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

**MAMMOTH CHILI**—Grows to immense size, often weighing over 200 lbs.; very productive. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$2.00), postpaid.

**PIKE'S PEAK**—An old variety that deserves all the good things that are said about it. It is preferred to any other by those who know it. Good keeper and excellent for pies. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.



WHITE BUSH SQUASH

## EARLY WHITE BUSH SCALLOPED

The most popular squash because of its earliness and productiveness; skin and flesh a light cream color. A general favorite. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

## IMPROVED HUBBARD

**IMPROVED HUBBARD**—Best Winter variety, vigorous and productive. Fruit large, weighty, moderately warted, hardshell; color dark bronze green. A fine-grained, thick, dry, richly flavored, orange yellow flesh. Baked it is similar to and as luscious as a sweet potato. (Pkt. 5c), (oz. 20c), (¼ lb. 50c), (lb. \$1.50), postpaid.

## ITALIAN or SUCCHINI SQUASH

**ITALIAN or ZUCCHINI SQUASH**—Is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific. Try a packet or an ounce and be convinced of the delicious flavor. (Pkt. 10c), (oz. 25c), (¼ lb. 65c), (lb. \$2.00), postpaid.

## Protect Your Crops From Insect Pests

See pages 81 and 82 for Insecticides and pages 79 and 80 for Spray Pumps and Dusting Machines.

**BUY THE BEST—WE DO**

(Use Nico Dust or Black Leaf 40 for Plant Lice)



## SPINACH

Should be planted in drills 12 to 18 inches apart, and for a succession every two weeks; as it grows, thin out or use, keeping clean of weeds. Sow from September 1 to April; one ounce of seed to 100 feet of drill; 20 pounds to the acre.

**PRICKLY SEEDED WINTER**—A splendid Fall or Winter variety, thriving in the coldest weather. It is the leading sort for market gardeners in the Salt River Valley. (Pkt. 5c), (¼ lb. 25c), (lb. 75c), postpaid.

**NEW ZEALAND**—For greens in the Summer and Autumn this variety is making a fine record in the Salt River Valley. We have several reports of its having grown through the entire Summer, maintaining a rich green color until the top growth is killed by frost. Roots allowed to stand until Spring will give new growth. (Pkt. 10c), (oz. 25c), (¼ lb. 75c), (lb. \$2.00), postpaid.

**BLOOMSDALE**—A valuable variety which is being more extensively grown each year. Upright in growth, producing a cluster of large thick leaves. Several crates were shipped East

with lettuce the past season, and it brought top-notch prices. We recommend it highly. (Pkt. 5c), (¼ lb. 25c), (lb. 75c), postpaid.

## RHUBARB

In the higher altitudes sow the seed any time from March 1 to July 1, in drills two feet apart. Transplant at any time when the roots are large enough.

**CRIMSON WINTER**—Price: (Pkt. 10c), (oz. \$1.20), (¼ lb. \$4.00), (lb. \$12.00), postpaid.

## SALSIFY

Sow the seed in February and March in drills one foot apart and one inch deep, thinning out plants to four inches. One ounce of seed will plant 50 feet of drill.

**MAMMOTH SANDWICH ISLAND**—A large and superior variety, mild and delicately flavored. (Pkt. 10c), (oz. 30c), (¼ lb. \$1.00), (lb. \$3.00), postpaid.



PLANT A GARDEN

Here is a fair example of what may be accomplished with a backyard garden. Besides supplying the family table with fresh vegetables, this garden returned a net profit of more than \$100.00 for one-half the year and furnished green feed for a pen of hens that have paid for

their feed and kept the family supplied with eggs for a year. One hour a day will care for a garden this size, and it will be healthful exercise for all members of the family. Get the garden spirit. Be self-supporting. Plant a Garden.

(Ask your neighbor if they desire our Catalog  
We will gladly mail it on request )

**BUY THE BEST—WE DO**



## TOMATOES—Tamata



PHOENIX SPECIAL

### PHOENIX SPECIAL TOMATO

This grand Tomato was introduced into the Salt River Valley six years ago, and has constantly grown in popularity until it is today one of the tried and true varieties in most every market garden. The color is a bright purple scarlet, almost globular in shape, slightly flattened at stem and blossom ends. It is very productive and quite early, producing large fruits which are protected from the sun by ample foliage, thus eliminating the loss of so many fruits from sun scalding. (Pkt. 10c), (oz. 60c), ( $\frac{1}{4}$  lb. \$2.00), (lb. \$6.00), postpaid.

#### CULTURE

Tomatoes do best on light, warm, not over-rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hot beds from 6 to 8 weeks before they can be set out of doors, which is when danger from frost is past.

Transplant three to six feet apart in rows four to six feet apart, according to variety—three feet for those varieties of upright growth, as the Dwarf Champion, and six feet is not too far apart for vining varieties which will soon cover the ground solidly. The soil should be plowed and pulverized to a depth of 10 or 12 inches, the deeper the better, in order that the roots may keep in the cool earth, for as soon as the roots are heated by the hot, dry soil near the surface, the plant quickly sickens and dies, and the grower can see no cause for it. We recommend the Earlianna for an early market tomato. One ounce of seed should produce 2,000 plants.

### ARIZONA EXTRA EARLY TOMATO

In listing this wonderful Tomato we are introducing what we believe will be one of the earliest tomatoes on the market. Aside from the fact that it is an extra early tomato, it is far superior to many of the early varieties in color, size, shape and sturdiness. Market gardeners who are looking for something early, of good even size and a heavy bearer should not overlook this wonderful tomato. As a home garden variety it cannot be equalled.

(Pkt. 10c), (oz. 50c), ( $\frac{1}{4}$  lb. \$1.75), (lb. \$5.00), postpaid.

**BUY THE BEST—WE DO**

(Plant our Mammoth Zinnias  
See page 57)



# TOMATOES—Tamata

## ROYAL RED

### A SOLID RED TOMATO

At last we have succeeded in perfecting a Solid Red Tomato that will produce a heavy yield under Arizona climatic conditions. This tomato is a second early, has heavy foliage to protect the fruit from the hot sun and produces very large, smooth tomatoes. It will yield equally as well as our Phoenix Special and is of the same quality, except that it is pure red, which makes it an all-purpose tomato—home, market, cannery, etc.

(Pkt. 10c), (oz. 60c), (¼ lb. \$2.00), (lb. \$6.00), postpaid.

**PONDEROSA or BEEFSTEAK**—A very large, purple tomato with few seeds and of excellent flavor. Our strain is round and smooth—not the usual oblong wrinkled kind. It is favorite for the home garden, for which purpose we have on hand from March 1 until June extra fine, large, strong transplanted plants. (Pkt. 10c), (oz. 60c), (¼ lb. \$2.00), (lb. \$6.00), postpaid.



**PONDEROSA or BEEFSTEAK**

**JUNE PINK**—The most popular extra early tomato grown in the South and East. It is very prolific. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

**LIVINGSTON'S BEAUTY**—A large purple scarlet tomato, producing fruits in clusters of 4 to 6, is large, of perfect shape and retains its size until late in the season. It ripens early, has firm flesh, of excellent quality, and the seed cells are very small. For shipping it may be picked quite green; will ripen up nicely and keep in perfect condition for a week after becoming fully ripe. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.65), (lb. \$5.00), postpaid.

**NEW STONE**—The largest, bright red, perfectly smooth, highest yielding, best keeping, finest flavor, main crop variety. Growers everywhere recognize the merit of the New Stone. It is now 25 years since it was introduced and it is still growing in favor. Skin is bright scarlet, perfectly smooth and tough enough to stand shipment. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

**SELECT ACME**—One of the best early purple fruited tomatoes. It is a very prolific sort. Fruits are produced in clusters of four to five; are of medium size and free from cracks. They are solid, and will stand long distance shipping.

The quality is fine. (Pkt. 10c), (oz. 45c), (¼ lb. \$1.25), (lb. \$4.50), postpaid.

**CHALK'S EARLY JEWEL**—A bright scarlet tomato, thick flesh, solid, of medium size, and very fine flavor. One of the best cropping medium early varieties. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

**DWARF STONE**—The fruits are larger than those of the Dwarf Champion, and nearly as large as the original Stone. It is very prolific, smooth, and ripens early. The color is bright red. On account of its erect habit of growth plants may be set as close as 18x24 inches. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

**DWARF CHAMPION**—Commonly called the Tree Tomato. Quite early, fruits medium large; color purplish pink and always round and smooth. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.

**EARLIANA**—A very popular extra early red, of compact growth. Yields well and the fruit is solid and of fine quality. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.35), (lb. \$4.00), postpaid.



**EARLIANA**

## Small Fruited Tomatoes

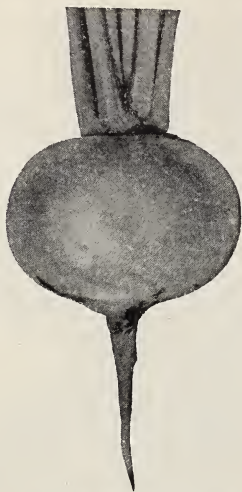
### EXCELLENT FOR PRESERVES

**HUSK TOMATO**—Plants of low spreading growth and immensely productive. The small fruits are each enclosed in a husk. They are highly esteemed for preserves or pies. (Pkt. 10c), (oz. 75c), postpaid.

**RED CHERRY**—Small fruits of bright scarlet, borne in clusters. They are very productive and of fine quality. (Pkt. 10c), (oz. 75c), postpaid.

**YELLOW PEAR**—This is a leading favorite for preserves. The fruit is bright yellow and pear-shaped. The flavor is rich and distinct. (Pkt. 10c), (oz. 75c), postpaid.

# TURNIPS—Nabo



PURPLE TOP GLOBE

**PURPLE TOP STRAP LEAVED**—More generally planted than any other variety. It is a quick grower; the flesh is very fine grained and sweet flavored. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

**SNOWBALL**—Medium size, round turnip; pure white, very fine flavor. (Pkt. 10c), (¼ lb. 40c), (lb. \$1.25), postpaid.

## CULTURE

Sow from September 1 to March 1, broadcast if in loose loamy soil, otherwise in drills ten inches apart and cultivate. One ounce of seed will plant 75 feet of row, or three pounds will broadcast an acre.

**RUTABAGA, PURPLE TOP, YELLOW**—The best variety of Rutabaga in cultivation; hardy and productive; flesh yellow and well flavored; shape slightly oblong; color deep purple above and bright yellow under the ground. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

**PURPLE TOP WHITE GLOBE**—This is one of the handsomest and most salable turnips. Very desirable for either home or market gardens. It is large, globular shaped; flesh pure white; crisp and tender. On account of its shape it will outyield any other crop and is always a sure cropper. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

**WHITE EGG**—Of very rapid growth; solid, firm, fine-grained flesh of sweet, mild flavor. It grows to a good size, and is excellent, early or late. (Pkt. 5c), (oz. 20c), (¼ lb. 35c), (lb. \$1.00), postpaid.

**EARLY WHITE FLAT DUTCH**—A most excellent early garden variety. Medium-sized, flat; color white, very early; sweet and tender. It is desirable for table use when small. (Pkt. 5c), (oz. 20c), (¼ lb. 35c), (lb. \$1.00), postpaid.

**GOLDEN BALL**—Rich, sweet, yellow flesh; of quick growth and keeps well. (Pkt. 5c), (oz. 20c), (¼ lb. 40c), (lb. \$1.25), postpaid.

# VEGETABLE PLANTS AND ROOTS

Owing to the expense of packing small plants for shipment by mail or express, we must request that your order for plants amount to not less than one dollar.

On account of the perishable nature of plants, subject to delay in transit and quarantine regulations, we prefer to deliver all plants at the counter in our store, but when necessary to send via mail or express, it must be understood that we do so at the buyer's risk.

We do not ship plants C. O. D.

## ASPARAGUS ROOTS

### WHY NOT HAVE AN ASPARAGUS BED?

The arid Southwest is admirably adapted to the growing of asparagus. Every back-yard garden should have a small bed of it. It is no trouble to grow and it's mighty fine eating in the Spring of the year. Set plants in rows two feet apart and about ten inches apart in the rows, or about 100 plants to 10x20. If 2-year-old plants are planted, tips may be cut the second year. Set the plants early in trenches 8 or 10 inches deep and fertilize well. In the Fall, after frost, cut the dead tops and mulch heavily. Roots in stock from January 1 to June 1. Price, 2-year-old roots, (per doz. 50c), (\$3.00 per 100), postpaid. Write for quantity price.

**CABBAGE PLANTS**—We have early and late varieties of cabbage plants from September 15 to June 1. Prices here are postpaid. (Doz. 25c), (100, \$1.00). Write for quantity prices.

**CAULIFLOWER PLANTS**—Our cauliflower plants are grown from our best acclimated seed. We have them from about October 1 to April 15. (Doz. 35c), (100, \$1.25), postpaid.

**EGG PLANT**—We have these only during the Spring season, about March 15 to June 1. On receipt of plants they should be put in water and revived before transplanting. (Doz. 35c), (100, \$2.00), postpaid.

**PEPPER PLANTS**—Chinese Giant, Anaheim Chili and Pimiento ready about March 1. (Doz. 35c), (100, \$1.50), postpaid.

**SWEET POTATO PLANTS**—These are ready usually about April 1 and we have them until June 15. In ordering more than 100, it is best to have them sent by express. (Doz. 25c), (100, \$1.00), postpaid. Please write for prices on larger quantities.

**TOMATO PLANTS**—Our stock of tomato plants is grown from our acclimated seed and they are good producers. We have early and late varieties, but recommend our Phoenix Special. (Doz. 25c), (100, \$1.00), postpaid. Write for quantity prices.

**RHUBARB ROOTS**—Crimson Winter—A very large growing sort and of excellent quality. Small roots (10c each), (\$1.00 per dozen. Two-year-old roots, (20c each), (\$2.00 per dozen), postpaid.

**BUY THE BEST—WE DO**

(Use NICO DUST for Plant Lice—See page 81)



# AVONDALE MAIZE

## The Greatest Grain Sorghum

**AVONDALE MAIZE** is a distinct strain of highly selected and field rogued maize. It should be planted at the rate of  $2\frac{1}{2}$  to 3 pounds to the acre in drills 3 feet apart. Planting this quantity requires two seeds to be dropped every 24 inches, which distance will allow for stooling. In our yearly experiments we have noted that if **Avondale Maize** is given room the result is usually a stool of from three to seven stalks, each bearing a large well-filled head; while on the other hand, if it is crowded the tendency is to grow to a greater height and the heads are smaller, thereby making harvesting more difficult and more expensive. The usual custom is to plant with a lister, on previously irrigated land, with sufficient moisture to germinate the seed. The first cultivation may be with a harrow, to be followed later by an implement that will gradually fill the lister row and leave a dust mulch.

This seed has been rogued and hand-picked in the field, selected, re-cleaned and thoroughly screened, thereby eliminating all small, imperfect and immature seeds.

The common tendency is to plant too much seed per acre, therefore we urge you to follow these directions closely and obtain maximum results.

(Per lb. 15c), (5 lbs. 50c), (10 lbs. 80c), (50 lbs. \$3.50), (100 lbs. \$6.00),  
Express or postage extra.

# ARIZONA DWARF MILO MAIZE

## Hand Selected

**ARIZONA DWARF** is a wonderful strain of dwarf Milo Maize. This is a heavy producing, highly selected strain growing waist high and very uniform, thereby making a crop which is easily harvested. By listing 3 pounds to the acre it produces large well-filled heads that give us the maximum yield we are all looking for. Our method of thoroughly re-cleaning and screening our seed stock eliminates all small and immature seed. **Arizona Dwarf** should be planted and cultivated in the same manner as our famous **Avondale Milo Maize**. (Per lb. 15c), (10 lbs. \$1.00), (50 lbs. \$4.50), (100 lbs. \$8.00). Express or postage extra. See inside front page for zone rates.

# AVONDALE HEGARI

## GRAIN AND FORAGE COMBINED

### Our Avondale Hegari is Systematically Grown, Selected and Recleaned for Seed

Have you noticed the wonderful results obtained from our strain of **Avondale Hegari**? Results obtained from our experiments during the past season were so gratifying that not a doubt remains but what **Hegari** is one of the most reliable and profitable crops for the Arid Southwest.

Unlike most other grain sorghums, **Hegari** not only produces a heavy crop of grain, but because of the sweet juicy stalk and foliage it has the added feature of making good pasture or roughage. The heads mature in about 115 days from planting and the stalks remain green much longer, making excellent forage, which all kinds of stock relish and which they will eat to the ground. The average grain yield of **Hegari** seems to be about 4,000 pounds of threshed grain per acre, and we think with our selected seed and good cultivation that this yield may be materially increased. **Hegari** grows about five feet high, produces a long, well-filled, white head, resembling **Milo Maize**. It should be planted in rows three feet apart at the rate of three pounds to the acre. It is drouth resistant, but will respond wonderfully to cultivation and irrigation.

Our seed is grown from head selected stock and is systematically rogued in the field. The photograph above speaks for itself. Compare it with other fields you saw the past season and judge for yourself whether or not it pays to plant properly selected seed. The cost of planting **AVONDALE HEGARI** is very small, and taking yield into consideration, it would be expensive to plant any other.

Per lb. 15c; 5 lbs. 50c; 10 lbs. 80c; 50 lbs. \$3.50; 100 lbs. \$6.00  
Postage or express extra.—See inside front cover for zone rates.

# HAIRY PERUVIAN ALFALFA

Superior to All Others.

Produces Two to Three Tons More Hay per Acre



CUTTING CACTUS BRAND HAIRY PERUVIAN IN DECEMBER

Hairy Peruvian Alfalfa is particularly adapted to a climate such as we have in Southern Arizona and California. Due to its frost resistance, it enjoys a long growing season, beginning its spring growth very early and growing throughout the Winter in favored sections. It produces a greater number of leaves than any other variety, thus making a most highly nutritious hay. It recovers quickly from cutting and grows very rapidly.

Hairy Peruvian is distinctly an Arizona product. It is grown almost exclusively in this Valley now and has proved to be all that was ever claimed for it. Our seed fields are selected and rogued by experts who are thoroughly familiar with the work of growing pure seed, and it is with a great deal of pride that we offer what we consider the best strain of seed on the market.



We would suggest that you inoculate your seed with NITRAGIN, as this will materially increase your yield the first year. Plant 15 pounds to the acre.

Cactus Brand Hairy Peruvian. (1 lb. 50c), (10 lbs. \$4.00), postpaid. Ask for prices on larger quantities.

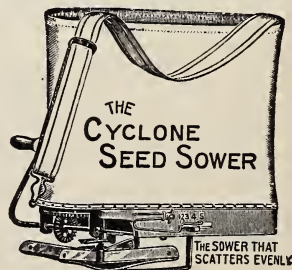
## CHILIAN ALFALFA

CHILIAN ALFALFA — Recommended for Northern Arizona and similar climates. It is the variety commonly grown in cold climates. Our seed is thoroughly re-cleaned and of the best grade. (1 lb. 40c), (10 lbs. \$3.50), (25 lbs. \$8.00), postpaid. Write for quantity prices.

## CYCLONE SEEDER

Thirty to 40 acres of alfalfa, millet, etc., can be sown in a day with this little machine. It broadcasts evenly and can be used with perfect success.

Each, \$2.60, postpaid.



## MACABEE GOPHER TRAPS

The most popular trap in the market. Made of strong steel wire.

Each, 25c; Per dozen, \$2.75

**BUY THE BEST—WE DO**

(See pages 63 to 69 for Nursery Stock)



# LARGER CROPS in FIELD and GARDEN

if you use

Registered in the  
United States Dec. 6th,  
1898.

25 YEARS AGO.



Awarded Gold Medal  
Worlds Fair - St. Louis  
1904.

19 YEARS AGO.

Alfalfa, clovers, soybeans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.

## A Great Price Reduction

NITRAGIN Costs Less

Nitragin now comes in Bushel sizes instead of acre sizes. This means that it costs you less per acre than inferior imitations. If you sow 12 pounds of seed to the acre it will only cost you 20 cents for your Nitragin. It means that

### Your Dollar Goes Further With NITRAGIN

Nitragin is an old, reliable inoculator. At the low price of 20 to 33 cents per acre you cannot afford to sow legumes without it. Nitragin is put up in the modern ventilated package; in a rich, soil-like packing medium. The contents are always fresh, living bacteria to feed your plants. Easy to use.

### EVERY GARDEN NEEDS NITRAGIN

New Garden Culture for Peas and Beans

See Below

#### PRICES

¼ Bushel size.....	40c	Postage.....	4c
½ Bushel size.....	60c	Postage.....	5c
1 Bushel size.....	\$ 1.00	Postage.....	7c
5 Bushel size.....	\$ 4.75	Postage.....	10c
Garden (peas, beans, sweet peas - three in one package).....	20c	Postage.....	2c



STATE WHAT CROP YOU  
WANT THE NITRAGIN FOR

# COVER CROP OR SOIL RENOVATORS

BUILD UP YOUR SOILS AND INCREASE YOUR YIELDS WITH A COVER CROP

"If your land is lumpy and dry, lacking life, it needs humus and nitrogen.

"If your soil is sandy and fails to retain moisture, it lacks humus and nitrogen.

"If your soil is of adobe and bakes and crusts readily, it needs humus and nitrogen."

## SWEET CLOVER—*Melilotus Alba*

or WHITE BLOSSOM SWEET CLOVER

SWEET CLOVER is used for hay, pasture and green manure as well as fertilizing and renovating worn-out and alkaline soils. It may be killed when desired by mowing when in bloom. Sow in the Spring or Fall at the rate of 20 to 25 pounds to the acre. (Scarified Seed, per pound, 50c; 10 lbs., \$4.00), postpaid. Write for quantity prices.

## MELILOTUS INDICA—*Sour Clover*

A CLOVER NATIVE TO THE SALT RIVER VALLEY

MELILOTUS INDICA is the best legume with which to build up your soil. It is easily plowed under and very rich as a fertilizer. As a cover crop in citrus groves it has no equal. We offer only the best quality, thoroughly re-cleaned and scarified seed. (Per lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity price.

VETCH—Sow 40 pounds per acre with grain. Is hardy and makes a fine Winter growth. Largely planted in the orange groves of the South for green manure, and plowed under in the Spring. (Lb. 30c), (10 lbs. \$2.00), postpaid. Write for quantity price.



PEANUTS—A valuable soil renovator to sow in young orchards as a pay crop until the orchard comes into bearing.

Spanish .....Lb. 35c. 10 lbs. \$3.00  
Virginia Bunch..Lb. 35c. 10 lbs. \$3.00  
Postpaid to 1st, 2nd and 3rd Zones.

(Plant a garden—and know the true worth of fresh vegetables)

BUY THE BEST—WE DO

# FIELD PEAS AND BEANS



## WHIP-POOR-WILL COW PEAS

As a soil renovator and a fertilizer the Cow Pea is in a class by itself. The heavy cropping of our soil year after year necessitates careful crop rotation to keep the land fertile and in good producing condition, and the Whip-poor-Will has proven one of the best varieties for this purpose in the Arid Southwest. They should be planted at the rate of 30 pounds to the acre, in rows 3 feet apart, and should by all means be inoculated with a good nitrogen fixing bacteria. We have Nitrigin Culture for this purpose and will explain its merits fully to those seeking further information. Cow Peas, (Lb. 25c), (10 lbs. \$2.00), postpaid. Ask for quantity price.

## SOY BEANS

Soy Beans are one of the best soil improving crops. They have an upright habit of growth, making them desirable for planting with corn, etc. Like Cow Peas, they should not be planted without inoculation. (Lb. 25c), (10 lbs. \$2.00), postpaid. Ask for quantity price.

## BLACK-EYED PEAS

We have found that this variety does better in this section than in any other. It is easy to grow, does well, and produces more dry peas and more vine than any of the varieties we have yet tried. It cannot be excelled as a crop for turning under for fertilizing. Also makes very valuable hay crop. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity prices.

# MISCELLANEOUS FIELD SEEDS

## WRITE FOR QUANTITY PRICES

**WHEAT**—Several years ago we began a search for a select strain of Early Bart Wheat, and after securing samples from many sections of the country we finally, on recommendation of the Department of Agriculture, purchased a quantity of fancy stock in the State of Washington. From this stock we are growing our supply, selecting it each season. We also carry in stock Sonora and Club. Sow 60 to 90 pounds to the acre. Price on application.

**BARLEY**—Our Seed Barley is grown under contract for us, and under our personal supervision for seed purposes. For early planting sow 60 pounds to the acre and for later planting, 80 to 100 pounds. Ask for prices.

**DWARF ESSEX RAPE**—This crop is very highly recommended as a pasture for sheep and hogs, furnishing fine pasture in six to eight weeks after planting. Rape is best sown in drills at the rate of five pounds per acre. (Lb. 30c), (10 lbs. \$2.50), postpaid.

**OATS**—For hay or for grain, Oats is an excellent crop. Oat hay commands a high price at all times. We offer two grades of seed. Local grown for hay purposes and imported grown for grain. Prices on application.

**SUNFLOWER**—Single heads measure 15 to 20 inches in diameter, and contain an immense amount of seed, which is highly valued by poultry breeders as a poultry feed. Every year great quantities of this seed are shipped into Arizona and it is with this in mind that we appeal to Arizona farmers to grow Sunflowers. They grow luxuriantly here and produce a fine grade of seed. Three pounds of seed will plant one acre. (Lb. 35c), (10 lbs. \$2.50), postpaid.

## CANADIAN FIELD PEAS

### A Great Winter Cover Crop For Our Southern Valleys

Under climatic conditions similar to the Salt River Valley, the Canadian Field Pea will grow throughout the Winter. They make excellent hay and should be cut when just forming pods. Like Cow Peas and Soy Beans, they should be inoculated. Plant 40 pounds to the acre. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity prices.

## PINK BEANS

These are planted extensively throughout various sections of the Southwest for dry beans. They require about 105 days to mature; therefore, should be planted in climates similar to the Salt River Valley, about the last week in July. Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. The land should be leveled, irrigated and the surface stirred, planting the beans flat, cultivating them slightly as they appear through the surface and irrigating through the furrow left by cultivation. Inoculate. Price for acclimated hand-picked beans: (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity prices.

## BROAD WINDSOR BEANS

Sometimes called Horse Beans, grows upright on a single stem bearing a profusion of large well-filled pods. The roots are enormously productive of nitrogen. It will withstand 28° temperature. (Lb. 35c), postpaid. Write for quantity price.

**WINTER RYE**—You farmers who have not planted Winter Rye for Winter pasture have overlooked a good bet. It has been demonstrated that earlier pasture and more pasture is obtained from Winter Rye than from Barley or Wheat. It is special value to dairymen, for it comes early, when green feed is needed. Sow 75 pounds per acre. Price on application.

**GOLDEN MILLET**—An excellent catch crop. May be planted as late as September 15 in the Salt River Valley and still produce a good crop of hay. Sow 30 pounds per acre. (Lb. 25c), (10 lbs. \$2.00), postpaid.

**FLAX**—When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per pound, 30 cents, postpaid.

**HEMP**—The seed is used for birds. Its fibre is in big demand. Per pound, 30 cents, postpaid.

**CANARY SEED**—Used for bird food. It is also used as an ornamental grass and for hay purposes. (Lb. 30c), (10 lbs. \$2.50), postpaid.

**FETERITA**—This sorghum was recently secured from the Sudan, where it is commonly grown under the name Feterita, an early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 8 pounds to the acre. (Pound, 20c), (10 lbs. \$1.75), postpaid.

**BUY THE BEST—WE DO**

(See pages 70 to 74 for Poultry Supplies)



## GRASS SEEDS

### SUDAN GRASS—For Pasture or Hay

For quick Summer pasture, Sudan Grass surpasses anything in the grass line. Planted as soon as danger of frost is over in the Spring, it may be pastured in forty to fifty days after planting and continuously thereafter until frost kills it in the Fall.

It is relished by all stock and as a milk producer has few equals. Broadcast it requires 25 pounds of seed to sow an acre. Our seed is produced outside the Johnson Grass belt and is first-class in every respect. (Per lb., postpaid, 35c), (10 lbs., postpaid, \$3.00). Ask for quantity price.

### RHODES GRASS

An Australian grass which grows readily on sandy or light soils. Grows thickly, producing from 5 to 10 tons of fine quality hay. It is very palatable to stock, easy eradicated when desired and very highly recommended by farmers who have grown it. (1 lb. 80c), (10 lbs. \$7.00), postpaid.

### BROME GRASS—*Bromis Inermis*

#### A WONDERFUL DROUTH RESISTANT GRASS

Recent experiments are proving that this grass is most satisfactory in all localities where arid soils demand a plant that will stand the drouth. Its nature is to stool and it seldom produces seed the first year. We think it will prove an excellent pasture grass for general range purposes. (Lb. 75c), (10 lbs. \$7.00), postpaid. Write for quantity price.

#### BERMUDA GRASS

May be used for pasture or for lawn in Southern climates. Most everyone is familiar with this grass. It requires three weeks under favorable conditions to germinate Bermuda Grass and it should be kept thoroughly soaked during that time. Insufficient water will simply start the seed and kill the tiny roots before the plant can establish itself. Be careful about this. Plant for lawn 1 pound to 500 square feet. (Lb. 75c), (10 lbs. \$6.50), postpaid. Write for quantity price.

#### RED TOP PASTURE GRASS

Another pasture grass for the higher altitudes. Succeeds on all soils from moist to swampy land, making a permanent pasture, and furnishing a highly nutritious feed. Hulled seed. Sow 15 pounds per acre. (Lb. 40c), (10 lbs. \$3.50), postpaid. Write for quantity price.

#### TIMOTHY

Much Timothy is sown in our higher altitudes throughout the Southwest, where it is quite successful. We carry a stock of acclimated seed for this section and would be glad to send samples and quote prices on request. It requires 15 pounds per acre when sown alone. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity price.

#### ORCHARD GRASS

A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. After being cut it comes up quickly and yields heavily. Sow 35 pounds per acre. (Lb. 60c), (10 lbs. \$5.00), postpaid. Write for quantity price.

# FIELD CORN



## MEXICAN JUNE

### For Ensilage or Mature Corn

Corn is the principal silage crop, and Mexican June is the principal variety used in the long-season section. It matures in about 120 days and will yield the largest amount of good silage to the acre of any variety. Corn should be cut for silage when the kernels are past the milk stage and begin to show a glaze and when the bottom leaves of the plant are turning brown. If it is frosted before it reaches this stage it should be cut and put in the silo at once. Mexican June will grow 12 to 15 feet high. It requires eight pounds to plant an acre. (Lb. 25c), (10 lbs. \$1.75), postpaid. Write for quantity price.

## HICKORY KING

Our acclimated strain of Hickory King produces abundantly in the Arid Southwest. It is somewhat earlier than Mexican June, maturing in about 110 days. In Southern valleys it should be planted from July 1st to the 25th at the rate of 10 pounds per acre. In the Salt River Valley it is a favorite for roasting ears, being very tender and sweet. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity price.

## PIMA CORN

A native soft corn planted almost exclusively by the Indians. It produces table corn in about ten weeks and will mature in 90 to 100 days. The ears are long and slender and usually well filled. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity price.

## REID'S YELLOW DENT

This is a splendid Yellow Dent variety, with 18 to 24 rows of kernels on an ear. The cob is small and the grains are very close together. This is a good corn for the higher altitudes, where the growing season is long enough to mature it. It will mature under favorable conditions in about 115 days. You will be pleased with our stock. It is selected in the field, nubbed and tipped and screened heavily. (Lb. 25c), (10 lbs. \$2.00), postpaid. Write for quantity price.

## SACATON JUNE CORN

This is a selected strain of June Corn which has been developed in the Salt River Valley. The habit of growth is similar to Mexican June, but it is more desirable as a producer of mature crop. Stalks sets from 1 to 5 ears of good corn with a blunt tip and tight husk, which renders it impossible for worms to do any great damage. It requires about 120 days to mature and the ideal time for planting in climates similar to the Salt River Valley is from June 25 to July 15. Our new crop Sacaton June is usually ready about February 1. The supply is limited; therefore, we suggest that you order early. Orders received early will be booked and filled in rotation when corn is ready. (Lb., by mail postpaid, 25c), (10 lbs. \$2.00). Write for quantity price.

# SWEET SORGHUMS

## FOR SYRUP AND FOR FORAGE

### MAKE YOUR OWN SYRUP

The sweet sorghums are distinguished from the grain sorghums by the fact that the juices are very sweet and sugary and the substance of the stem is very digestible. The juices are used for making syrups, and they are also planted for forage. With the shortage of sugar, we recommend planting for syrup, as small syrup mills are operating in various sections.

## HONEY DRIP SORGHUM

This is a variety that is most popular as a syrup cane. It has long, slender, reddish heads and grows to a height of 8 to 12 feet, producing a heavy tonnage. It is not particular as to soil. For syrup purposes plant in rows far enough apart to allow cultivation. It requires about 10 pounds of seed to the acre planted in this manner, or 40 broadcast. Price, (Lb. 25c), (10 lbs. \$2.00), postpaid. Ask for quantity price.

## TEXAS SEEDED RIBBON

Another of the sweet sorghums and one very commonly used for syrup. The seed we have is the crookneck strain. (Lb. 25c), (10 lbs. \$2.00), postpaid. Ask for quantity price.

## EARL AMBER

The most popular variety for hay and pasture purposes. It furnishes a large yield of most nutritious forage, being very rich in saccharine matter. If intended for hay it should be sown broadcast at the rate of 40 pounds per acre and cut when the seed is in the dough. When grown as a crop for seed, sow in drills 3 feet apart and cultivate. Planted in this manner, it requires 5 pounds of seed per acre. (Lb. 20c), (10 lbs. \$1.75), postpaid. Write for quantity price.

## CLUB CANE

This variety is very vigorous and produces a heavy growth of foliage. It stools readily and has proven an excellent variety for hog pasture. Club Cane has produced as much as 6 tons of hay per acre. Broadcast 40 pounds per acre. (Lb. 25c), (10 lbs. \$1.75), postpaid.

Write for quantity price.

**BUY THE BEST—WE DO**

(See page 18 for SWEET CORN)





BEAUTIFY  
YOUR HOME

## FLOWER SEEDS

ENHANCE THE VALUE  
OF YOUR PROPERTY..

There are no more satisfactory flowers than those grown from seed, especially the easily grown and brilliant colored annuals, but they require care and proper soil preparation, for flower seeds are delicate. Soil that will bake and crust should have a liberal mixture of well-rotted manure and sand. In adobe soil a few pounds of air-slacked lime will assist in forming a better texture. In sowing seeds of hardy annuals, plant all medium sized seeds at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. Sweet Peas should go deeper. Very fine seeds should be pressed into the soil and a little sand or fine, well-rotted manure sprinkled over the surface. Water more frequently if the seed is close to the surface, and if necessary protect with cheesecloth until the seed germinates. When up, the plants should be thinned from 2 to 12 inches, depending on the variety; otherwise they will be weak and spindling. It is a great mistake to leave plants too thick; give them room to develop, allow plenty of moisture and the display that can be produced from seed will surprise and delight the grower.

### AGERATUM

(Floss Flower)

A hardy annual of easy culture, used for bed or borders. Blue Perfection, (Pkt. 10c).

### AUSTRALIAN PEA VINE

(Dolichos Lignosis)

A rapid growing evergreen, climbing perennial; flowering freely in large clusters of rose flowers. For covering arbors, etc., they are excellent. (Pkt. 10c).

### SWEET ALYSSUM

A fragrant hardy annual having the odor of honey and bearing spikes of small white flowers in great profusion throughout the Winter and Spring. Without a doubt the best white border plant; is also useful for beds and baskets and will begin to bloom when quite small.

**LITTLE GEM**—Grows 4 to 6 inches high. One of the finest for low beds and borders. (Pkt. 10c), ( $\frac{1}{4}$  oz. 25c), (oz. 75c).

### AMARANTHUS CAUDATUS

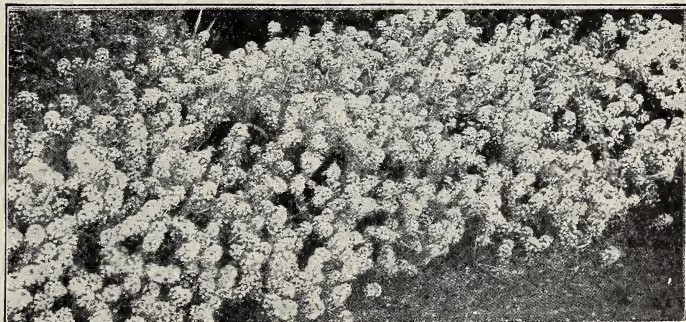
(Love Lies Bleeding)

Light yellowish-green, foliage long; drooping crimson flower spikes; grows three to four feet high. (Pkt. 10c).

### ANTIRRHINUM

(Snapdragon)

Thrive in most any soil and do beautifully in Southern Arizona. Plant in the open where they are to remain. Mixed colors. (Pkt. 10c), (oz. \$1.50).



SWEET ALYSSUM

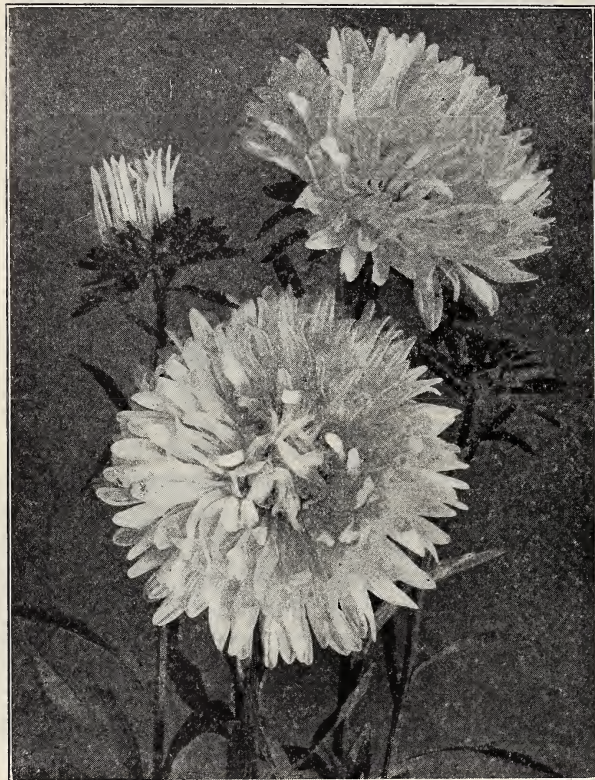
(Plant our Giant Zinnias.  
— See page 57 )

**BUY THE BEST—WE DO**



## FLOWER SEEDS

A beautiful yard will enhance the value of your property and prove an asset to your neighborhood. It takes only a few packets of flower seeds and a little care and attention to grow an abundance of flowers for your table and to greatly beautify your home.



GIANT BRANCHING ASTER

### CALIFORNIA POPPY

(Golden West)

A hardy annual, growing from 1 to 1½ feet high; sowing the seed in the Fall, it blooms beautifully during the Spring. Pure yellow and mixed. (Pkt. 10c), (oz. 50c).

### CANARY BIRD FLOWER

A tender climbing annual of the Nasturtium family. Blossoms have curiously winged petals and are a light yellow. (Pkt. 10c), (oz. 75c).

### CALENDULA

(Pot Marigold)

A very hardy annual growing about one foot high. Plantings may be made from September 15 to April. Flowers very early and is attractive as a border plant.

**PRINCE OF ORANGE**—A deep orange. (Pkt. 10c), (oz. 40c).

**ORANGE KING (New)**—Bears giant flowers sometimes 3 inches in diameter. Color pure orange. This is a pure strain of seed used by florists for growing cut flowers under glass. You will find this strain of seed a wonderful improvement over the ordinary Calendula. Try a packet.

(Packet 25c), (¼ oz. 40c), (ounce \$1.50).

**"LEMON QUEEN"**—Double, bright sunflower yellow. This variety is equally as popular as Prince of Orange, as the blooms are fully as large. Height, 18 inches. Price, 10c per packet; ounce, 50c.

## ASTERS

Sow Asters in boxes in January and transplant to the open in March and April. By thorough cultivation excellent results may be obtained. The tallest grow about two feet high and flowers are produced in a great variety of colors.

**GIANT BRANCHING**—The tallest and best cut flower variety, and we highly recommend them as the very best type Aster we have. The plant grows about 18 inches high, and the blossoms, which are large and full-petaled, are borne on long stems or branches. Since it is not only a good cut flower, but a showy bedding type as well, it deserves a place in every garden. We have it in the following colors: Crimson, Lavender, Pink, White and Mixed Colors. (Pkt. 10c), (¼ oz. 65c).

## BACHELOR'S BUTTON

(See Centaurea) (Pkt. 10c).

## BALLOON VINE

A climbing annual. The seed pods are curiously puffed, making the vine quite attractive. (Pkt. 10c), (oz. 40c).

## BALSAM

(Lady's Slipper)

A tender annual growing about 12 inches high. Flowers are both single and double, in bright colors and variations. (Pkt. 10c), (oz. 75c).

## BALSAM APPLE

(Momordica)

A climbing annual with graceful and ornamental foliage; yellow flowers and warted golden yellow fruits. (Pkt. 10c), (oz. 75c).

## BEAN SCARLET RUNNER

A popular climber. Flowers scarlet. (Pkt. 10c), (oz. 15c).

## CANNA

Mixture of the popular varieties, red and yellow flowers. (Pkt. 10c).

## CARDINAL CLIMBER

A new climber of great merit, bearing a great mass of small crimson flowers. It grows to a height of 15 to 20 feet. (Pkt. 25c).



CALENDULA

(See page 8 for Special Collection of Flower Seed)

**BUY THE BEST—WE DO**



## FLOWER SEEDS

### CALLIOPSIS

If the varieties of Calliopsis were rare and high priced, people would rave about their beauty, but as they are so cheap and easily grown, they are often passed by unnoticed. The lovely combinations of yellow and brown are not excelled in any other plant and they have an elegance and grace all their own. (Pkt. 10c), (oz. 50c).

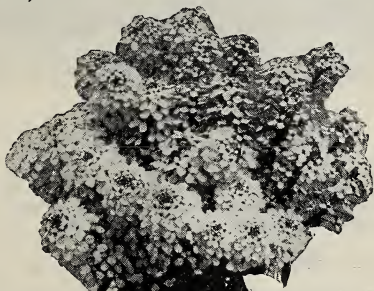
### CASTOR BEANS

Large-leaved varieties for shade; very ornamental. (Pkt. 10c), (oz. 15c), (lb. \$1.50).

### CANDYTUFT

A hardy annual growing from six to eight inches high, according to the variety; of easy culture and valuable for bedding or massing.

Pure White—(Pkt. 10c); Pink—(Pkt. 10c); Scarlet—(Pkt. 10c); Mixed Colors—(Pkt. 10c), (oz. 50c).



CANDYTUFT

### CANTERBURY BELLS

A hardy perennial, blooming the second year from seed, or the first year if sown early. Grows about three feet high. Mixed colors. (Pkt. 10c).

### CARNATION

Cover the seed lightly and protect from the sun until established, then transplant 12 to 18 inches apart, where they are to remain.

MARGUERITE, Mixed Colors—This assortment gives a large percentage of fine double flowers. (Pkt. 15c), (1/4 oz. 50c).

White—(Pkt. 15c).

### CENTAUREA CYANUS

(Corn Flower or Bachelor's Button)

This old-fashioned hardy annual is still a great favorite for cutting purposes. The deep rich blue is the most popular. The mixtures contain shades of pink, white, lavender and blue.

Double Mixed—(Pkt. 10c).

### CENTUREAU MOSCHATA

(Sweet Sultan)

A magnificent large flowered type, exquisitely fringed and delightfully scented. Fine for cut flowers. Mixed Colors. (Pkt. 10c).

### COCKSCOMB—*Celosia Cristata*

A half-hardy annual, growing 6 to 8 inches high, bearing a wide, wavy blossom that resembles a cock's comb. In brilliant colors; fine for massing or border work.

Mixed. Several shades of red and yellow—(Pkt. 10c).

### COBEA SCANDENS

A climber of rapid growth, beautiful fine foliage and a rich purple flower borne on long stems. (Pkt. 10c).

### CELOSIA PLUMOSA

(Feathered Cockscomb)

Plumosa Mixed—A very fine selection of the popular feathered *Celosia* containing many pleasing shades of color varying from pale yellow to the deepest crimson. (Pkt. 10c).

### CHINESE WOOLFLOWER

(*Celosia Childsii*). Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost.

New Pink, Pkt. 15c.

Crimson, " 15c.

### CLARKIA

A hardy annual of easy culture growing about 18 inches high and bearing bright rose, white and purple flowers in great profusion; single and double mixed. (Pkt. 10c).

### COREOPSIS

Grows luxuriantly in any situation, affording a constant supply of richly marked flowers for cutting. (Pkt. 10c).



CARNATION

## FLOWER SEEDS

### CHRYSANTHEMUM

Coronarium—(Annual)—Double Mixed. Very showy mixture, containing the most popular shades. (Pkt. 10c).



CHRYSANTHEMUM

### CYPRESS VINE

(Ipomea Quamoclit)

A tender climbing annual with soft, fern-like foliage and small star-like flowers; mixed. (Pkt. 10c).

### DAHLIA

Sow seed in beds and transplant; double mixed. (Pkt. 25c).

### DOLICHOS

(Hyacinth Bean)

Tender climbing annual; purple waxy-like flowers are borne on long stems; sow in open ground in March. Mixed colors. (Pkt. 10c).

### DUSTY MILLER

Broad silvery white foliage. Very pretty as a border or for edging. (Pkt. 10c).

### DIGITALIS

(Fox Glove)

Does well in the Northern part of the State, but is difficult to handle in the Southern valleys. The cell-shaped flowers are borne on long stems and come in a great variety of colors; mixed. (Pkt. 10c).

### COSMOS

New Mammoth Early Flowering—A tender annual with fine cut, feathery foliage and large showy blossoms. Cosmos should be planted more extensively than it is. It is a handsome cut flower, a good bedder and easily grown. We have the Crimson, Pink, White and Mixed Colors. (Pkt. 10c), (oz. 75c).

COSMOS—KLONDYKE

A gorgeous orange-yellow flower with very handsome foliage, more coarsely lacinated than others. (Pkt. 15c).

DOUBLE CRESTED COSMOS

The flowers are of good size, with fully double centers and an outer row or crest of broad ray-petals. This is the best of all Cosmos for cut-flowers. Mixed colors, (Pkt. 15c).



SHASTA DAISY

### DIANTHUS

(Pinks)

Hardy annuals, about one foot high and bearing beautifully colored single and double flowers in profusion; Japan mixed. (Pkt. 10c), (oz. \$1.00).

### SHASTA DAISY

A fine perennial plant bearing large white single blossoms with yellow centers. Soak seed in warm water over night before sowing. (Pkt. 10c), (1/4 oz. \$1.00).



COSMOS

**BUY THE BEST—WE DO**

) See Red List for  
Conkey's Poultry Remedies)



# FLOWER SEEDS



AFRICAN DAISY

## Dmorpheotheca Aurantiaca

(African Daisy)

A rare and extremely showy annual from South Africa, which is becoming a great favorite here on account of its easy culture and long blooming season. Its Marguerite-like blossoms are  $2\frac{1}{2}$  to  $2\frac{3}{4}$  inches in diameter, of a rich orange gold. Every Arizona garden should have these. (Pkt. 10c), (oz. \$1.25).

## EVENING PRIMROSE

(Oenothera)

An attractive hardy perennial border plant of dwarf compact growth, producing an abundance of bright showy flowers in white, pale yellow, rose, etc.; of very easy culture; fine mixed. (Pkt. 10c).

## DOUBLE DAISY

(Bellis Perennis)

A hardy perennial blooming freely during the early Spring and well into the Winter; white and mixed colors. (Pkt. 25c), (1-8 oz. \$1.00).

## GERANIUM

A half hardy perennial flowering the first year from seed. (Pkt. 15c).



DOUBLE DAISY

(Try Castor Beans for quick shade)

## FLAX, SCARLET

A hardy annual, about  $1\frac{1}{2}$  feet high, of slender and graceful appearance with bright red flowers which are borne in great profusion; very showy. (Pkt. 10c), (oz. 50c).

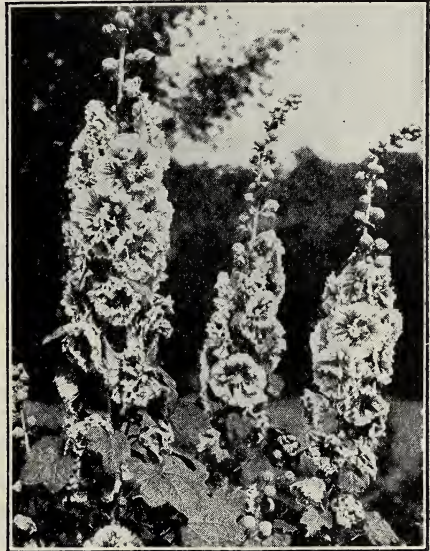
## FOUR O'CLOCK

A hardy annual of easy culture, growing about two feet high; plant in March and April. (Pkt. 10c).

## FOR-GET-ME-NOT

(Mysotis)

A hardy perennial growing 6 to 12 inches high; blooms the first year; sow in February. (Pkt. 10c).



HOLLYHOCK

## HOLLYHOCKS

These stately, old-fashioned perennials are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and in their turn form a very fine background for plants of lower growth. (Pkt. 10c), (oz. \$1.00).

## GAILLARDIA

Beautiful show plant blooming all through the Summer here. Excellent for beds, borders or for cutting. (Pkt. 10c), (oz. \$1.00).

## GODETIA

A hardy annual 10 inches high, of compact growth, satiny cup-shaped flowers in deep red, pink and white; sow in October and it will bloom in the early Spring. Does well in Arizona. (Pkt. 10c).

## GOURDS, MIXED

Strong climbing vines producing many odd shapes and ornamental gourds. (Pkt. 10c), (oz. 25c).

## GYPSOPHILA

(Baby's Breath)

A hardy annual of easy culture. Grows 2 to 3 feet high, and bears a profusion of small star-shaped flowers. Very fine for bouquets. (Pkt. 10c), (oz. 60c).

BUY THE BEST—WE DO

## FLOWER SEEDS

### GLOBE AMARANTH

(Gomphrena Globosa)

An excellent everlasting or immortelle; flowers globe-shaped, purple, orange and variegated. Retain their shape and color when dried; are also good for cutting as fresh flowers. Height, 10 inches. Tender annual. Mixed, pkt., 10c.

### ICE PLANT

(Mesembryanthemum crystallinum)

White. Trailer.

Pkt. 10c.



DOUBLE STOCK FLOWERED LARKSPUR

### LARKSPUR

Beautiful hardy plants with noble spikes of handsome flowers. Plant in October and November. We recommend it for Southern Arizona. We have these in separate colors of Purple, Dark Blue, White, Carmine Red, Rose Pink and Mixed. (Pkt. 10c), (oz. 75c).

### HUMULUS

or JAPANESE HOP

A rapid growing, climbing annual with dense foliage. Will grow 20 to 30 feet in a season. (Pkt. 10c), (oz. 50c).

### KOCHIA TRICOPHYLLIA

(Mexican Fire Bush)

A splendid ornamental annual plant forming dense oval bushes 2 to 2½ feet high, of small light green foliage, changing to fiery red in the Fall. Planted in March it does well here. (Pkt., 10c).

### KUDZU VINE

A new climber of great merit. This is one of the fastest growers we know of, reaching a height of 20 feet in a short time. (Pkt. 15c).

### LANTANA

Tender perennial growing from 2 to 3 feet high, bearing verberna-like clusters of flowers; sow seed in boxes in February and protect until after danger of frost is past, when they may be set in the open. (Pkt. 10c).

### MORNING GLORY

TALL MIXED—The most rapid growing vine for Spring planting. Best Mixed. (Pkt. 10c), (oz. 25c).

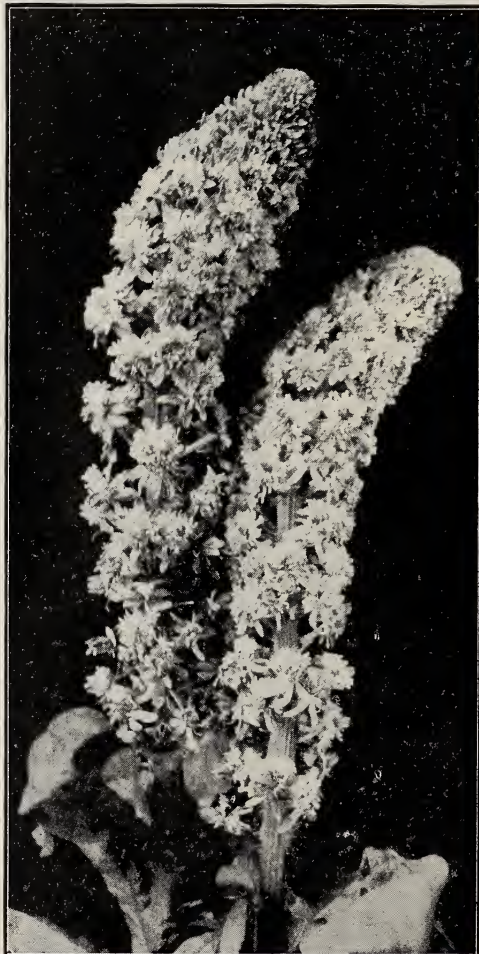
JAPANESE FRINGED—A large flowering variety with beautifully fringed flowers. (Pkt. 10c), (oz. 50c).

DOUBLE MORNING GLORY—A beautiful Double Morning Glory. It makes a very fast growth of rich, luxuriant foliage. Will flower about 75 per cent double. (Pkt. 15c).

### HELICHRYSUM

(Straw Flower)

A free-flowering, hardy annual, growing 4 or 5 feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. (Pkt. 10c).



### MIGNONETTE

Hardy annual growing 6 to 12 inches high; sow in the Fall or Spring. Very easily grown. (Pkt. 10c), (oz. 50c).

### LOBELIA

Fine for bedding. Plants very compact, profusely covered with rich blue flowers. Plant in March. (Pkt. 10c).

BUY THE BEST—WE DO

(See page 78 for  
Lawn Supplies)



# FLOWER SEEDS

## MOON FLOWER

This vine does beautifully in any part of Arizona in any position, be it sun or shade, making an enormous growth in a remarkably short time; large white flowers open in the evening. File or in some manner puncture the outer shell of the seed and soak in water 12 hours before planting. Blue or white. (Pkt. 10c), (oz. 75c).

## MARIGOLD

A hardy annual in various shades. Planted after danger of frost is past, they will bloom here through the entire Summer.

Double Tall African Mixed—(Pkt. 10c), (oz. 75c).

Dwarf French Mixed—(Pkt. 10c), (oz. 75c).

## NICOTIANA

OR

## FLOWERING TOBACCO

A half hardy annual, growing 3 feet high, with slender tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden.

Affinis—White, and very fragrant. Pkt. 10c.

## PASSION FLOWER

A hardy perennial climber with lovely wax-like flowers. (Pkt. 10c).

## PETUNIA

Sow seed from October to March; scatter thinly on an even surface and barely cover with sand or fine mulch. We recommend the following for Southern Arizona:

CHOICE FRINGED MIXED—(Pkt. 25c).

GOOD MIXED—(Pkt. 10c), (oz. \$1.25).



## POPPIES

The different varieties of poppies are always favorites for outdoor display and the cultivation of them being so extremely simple entitles them to a place in every garden in Arizona. Seed should be sown in the Fall where the plants are intended to flower.

CALIFORNIA—Pure yellow and mixed. (Pkt. 10c).

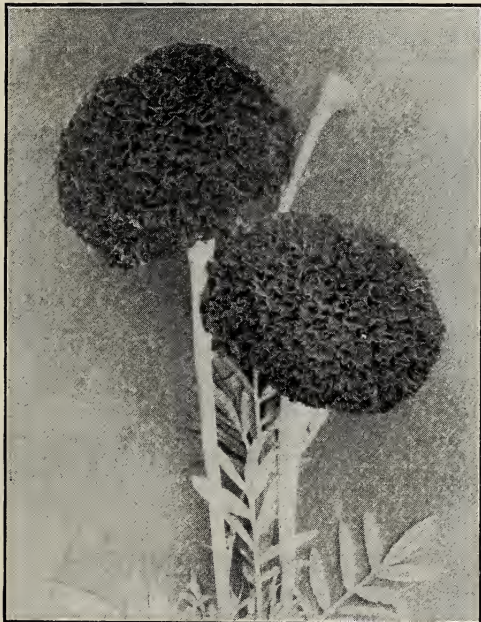
CARNATION FLOWERED DOUBLE MIXED—Choice assortment of brilliant colors. Flowers very double and well fringed. The plants grow to a height of 4 feet and bear immense carnation-like blooms 6 to 8 inches across. Annual. (Pkt. 10c), (oz. 50c).

SHIRLEY ANNUAL—The most charming poppy in cultivation. The blossoms are bright and showy and include an almost endless variety of colors, from pure white, pink, terra cotta, salmon, chamois and rosy carmine, to brilliant crimson, many of the flowers being beautifully flaked or edged with white. (Pkt. 10c), (oz. 50c).

GLAUCUM (Tulip Flowered)—Beautiful variety, producing flowers of the most vivid scarlet, effective for beds or masses. Annual. (Pkt. 10c), (oz. 50c).

## PHLOX DRUMMONDI

A hardy annual suitable for borders, bearing beautiful and brilliantly colored flowers all Spring and well into the Summer. (Pkt. 10c), (oz. \$2.00).



TALL AFRICAN MARIGOLD



# FLOWER SEEDS

## PANSIES

We offer Pansies in the following separate colors. They have been selected with care in order to give a complete range of colors from which to choose. Wonderful color effects and an abundance of plants can be had from planting a few packets from the following:

**BEACONSFIELD**—Large purple violet. Top petals blue. (Pkt. 15c).

**GIANT EROS or GOLD MARGINED**—Velvety brown edged with golden yellow. (Pkt. 15c).

**MAHOGANY COLORS MIXED**—(Pkt. 15c).

**PURE WHITE**—Giant flowered. (Pkt. 15c).

**GIANT YELLOW**—(Pkt. 15c).

**DEEP PURPLE**—(Pkt. 15c).

**GOOD MIXED**—(Pkt. 15c), (1/4 oz. \$1.25).

**GIANT TRIMARDEAU MIXED**—A very showy class of vigorous compact growth, flowers of an enormous size; finest strain. (Pkt. 25c).

## PORTULACA

Beautiful dwarf plants, bearing glossy cup-shaped flowers in brilliant colors. A wonderful Summer plant.

**SINGLE LARGE FLOWERING MIXED**—(Pkt. 10c), (1/4 oz. 50c).

**DOUBLE LARGE FLOWERING MIXED**—(Pkt. 10c), (1/4 oz. \$1.00).



SINGLE PORTULACA



PANSIES

## SALPIGLOSSIS

Highly ornamental, half hardy annual, bearing funnel-shaped flowers in striking colors. (Pkt. 10c), (oz. 75c).

## SWEET WILLIAM

(Dianthus Barbatus)

A hardy perennial blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters, at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture.

Single or Double Mixed—(Packet 10c).

## SCHIZANTHUS

Very beautiful and interesting annuals. This is one of the earliest annuals to raise from seed. Sow in the open where plants are to flower. Exceptionally beautiful when in full bloom and literally covered with small orchid-like flowers.

Mixed—(Packet 10c).

## SALVIA SPLENDENS

(Scarlet Sage)

A tender perennial blooming the first season from seed. (Pkt. 10c).

**BUY THE BEST—WE DO**

(PULL EASY TOOLS make Gardening a pleasure. See page 77)



# FLOWER SEEDS

## MAMMOTH VERBENAS

A hardy perennial of trailing habit and one of the finest and best known for beds, parkings, etc. The colors are brilliant and varied and the new large flowered strains are handsome as cut flowers. The flowers are fragrant and produce freely throughout most of the year. They will stand much neglect after established. Although perennials, they will bloom the first season from the seed.

**MAMMOTH SCARLET**—The flowers are an intense fiery red, produced in great clusters, and is recommended above all others as a bedding variety. (Pkt. 10c), (¼ oz. 40c).

**MAMMOTH LAVENDER**—A giant flowering sort, bearing clusters of beautiful purple flowers. (Pkt. 10c), (¼ oz. 40c).

**MAMMOTH PINK**—Unexcelled for size and beauty. (Pkt. 10c), (¼ oz. 40c).

**MAMMOTH WHITE**—(Pkt. 10c), (¼ oz. 40c).

**MAMMOTH MIXED**—Embracing all sorts. Unsurpassed for richness of color and profusion of bloom. The very richest mixture procurable. (Pkt. 10c), (¼ oz. 40c).

## VIOLET

Single sweet-scented. (Pkt. 25c).

## WALLFLOWER

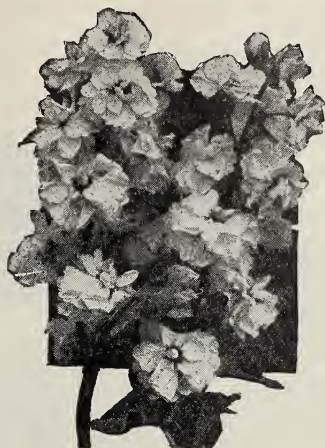
These delightfully fragrant flowers are indispensable for every garden. Plant in October. (Pkt. 10c).



## SCABIOSA

(Mourning Bride)

Planted here in the Fall, tall bushes are obtained, bearing a mass of lovely flowers in rich colors. (Pkt. 10c), (oz. 50c).



GIANT STOCKS

## STOCKS

A very popular plant in Southern Arizona. For brilliancy, fragrance and duration of bloom it is unsurpassed; plant from September to December.

Stocks have been greatly improved by selection, and our strains, which are raised by expert growers, give fully 60 per cent of double flowers. There always will be some single plants, as those are the only ones which bear seed, and the plants should be set out in the garden sufficiently close for these single ones to be pulled up when they show their first flower, and still leave plenty of fine double plants. Stocks are of easy culture, are a long time in bloom, are hardy, very beautiful and satisfactory.

**GIANT PINK**—Delicate flesh pink spikes of double flowers. (Pkt. 15c), (1-8 oz. 75c).

**GIANT CRIMSON**—Long spikes of a rich crimson color. (Pkt. 15c), (1-8 oz. 75c).

**GIANT WHITE**—A double variety about two feet high. (Pkt. 15c), (1-8 oz. 75c).

**GIANT LAVENDER**—Light lilac, shading deeper at bottom of petals and lighter on the new flowers. (Pkt. 15c), (1-8 oz. 75c).

**GIANT MIXED**—A choice selection of many colors. All large flowering varieties. (Pkt. 15c), (1-8 oz. 50c).

## SUNFLOWER

**CALIFORNIA DOUBLE**—Large, massive, bright yellow flowers. (Pkt. 10c).

**NEW RED SUNFLOWER** is a very apt description of this new variety. The plant is of freely-branching habit, with well-shaped dark-centered flowers of bright chestnut red, merging to yellow at the tips of the petals. Height, 6 feet. (Pkt. 10c).

# FLOWER SEEDS AND PLANTS



MIXED NASTURTIIUMS

## NASTURTIIUMS

May be sown in the Fall if near the house with south exposure, where they may be protected from the frost; otherwise plant in February or March.

**TALL MIXED**—(Pkt. 10c), (oz. 25c).

**DWARF MIXED**—(Pkt. 10c), (oz. 25c).

**IVY LEAF**—Mixed colors. (Pkt. 10c), (oz. 35c).

**EMPRESS OF INDIA**—Deep crimson, dark foliage. (Pkt. 10c), (oz. 35c).



BOSTON FERN

## FERNS

### POTTED FERNS

A cheerful home requires cheerful surroundings. One or more of our freshly potted ferns will add a touch to the home decoration.

In stock from October 1 to March 1.

Prices include packing for shipment. Postage or express extra.

**ASPARAGUS SPRINGERI**—  
In 4-inch pot, 75c; 5-inch pot, \$1.25; 6-inch pot, \$2.00.

**BOSTON FERN**—  
In 5-inch pots, \$2.00; in 6-inch pots, \$3.00.

**HANGING BASKETS**—  
With Boston or Springerl Fern, each \$3.00 to \$5.00.

**BUY THE BEST—WE DO**

(Use Gromore Fertilizer  
See page 82 )



# PLANT OUR SPECIAL GIANT ZINNIAS

In offering these giant Zinnias we have no hesitancy in stating that they are the finest ever. We actually grew flowers last Summer that measured 6½ inches across, and they were beauties too. Immense flowers of wonderful colors and with long stiff stems making them excellent for cut flowers. The Zinnia is strictly a hot weather plant and will grow and bloom the entire Summer, no matter how warm the climate. They are just the thing for Arizona climatic conditions, blooming at a time when flowers are scarce. We know you will be pleased with these, and we urge you to include them in your collection for the Summer flower garden. Begin planting in March and continue planting throughout the entire Summer.

NO SUMMER FLOWER  
CAN EQUAL THE ZIN-  
NIA FOR SIZE AND  
GORGEOUS DISPLAY  
OF COLORS.

## GIANT DOUBLE DAHLIA FLOWERED

We cannot say too much for this wonderful Zinnia, which resembles the famous Dahlia. The flowers are very large and double, and the color mixture is one that is pleasing to the eye. We consider this our finest Zinnia mixture.  
(Special Packet, 25c).

## GIANT PICOTEE MIXED

This Zinnia is in a class by itself. In addition to its being double and large flowered, each petal is distinctly tipped with a darker shade of the same color, making it novel and attractive. (Special Packet, 25c).

## GIANT VICTORY QUILLED MIXED

The flowers are very large, with velvety quilled petals. The plants are vigorous and well branched.  
(Special Packet, 25c).

## GIANT BUTTER CUPS

A very pleasing shade of creamy yellow. Intermingled with other colors or by itself, it is bright and pretty. The flowers are large and double. (Special Packet, 25c).

## SEPARATE COLORS DOUBLE GIANT ZINNIA

Every flower a picture and a study by itself. You will be very proud of them. Our improved strains are absolutely the best obtainable.

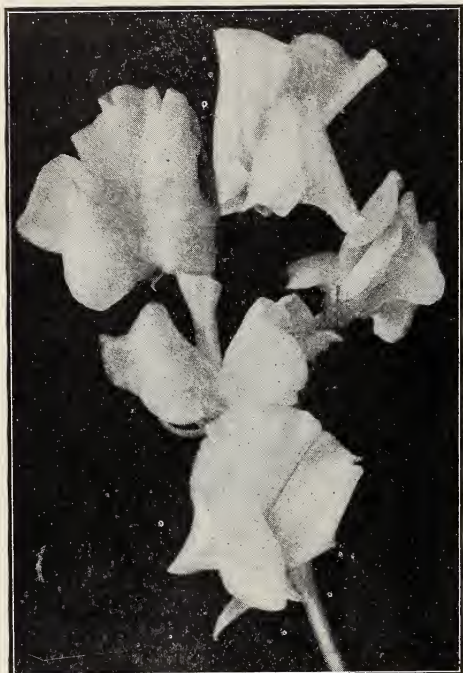
Double Giant Burnt Orange.....	Pkt. 15c
Double Giant Golden Yellow.....	Pkt. 15c
Double Giant Pink Shades.....	Pkt. 15c
Double Giant Scarlet.....	Pkt. 15c
Double Giant White.....	Pkt. 15c
Double Giant Lavender.....	Pkt. 15c
Double Giant Mixed.....	Pkt. 15c

( See page 9 for  
Special Zinnia Collections)



*BUY THE BEST—WE DO*

# GIANT SPENCER SWEET PEAS



The new and improved strains of Sweet Peas make their culture a pleasure indeed, and those failing to plant will only regret it when blooming time comes. They are of easy culture and no garden is complete without them.

Select your space in the open, where the vines may be trained on a trellis, and dig a trench about two feet wide and eighteen inches deep. Put about three inches of well-rotted barnyard manure in the bottom of the trench, mix a sprinkle of manure and commercial fertilizer with the dirt that has been removed and replace it. Open a trench across the bed about six inches deep and plant one ounce of seed to 15 feet of drill in the bottom of it, covering the seed about one-half inch. Now fill this last trench with water and soak thoroughly, following with a sprinkle of fine manure to prevent the surface crusting.

After the peas are up eight or ten inches begin to draw the dirt to them, gradually filling the planted trench and opening another trench about ten inches from the row through which to water them the rest of the season.

Frequent cultivation is very necessary, and after the peas are 12 to 15 inches high a mulch of fine manure should be applied to the entire bed and gradually worked into the soil. Keep them well watered, and at blooming time they should be cut each day to insure a long blooming period.

## ASK FOR OUR BOOKLET ENTITLED, "SWEET PEA CULTURE"

### APPLE BLOSSOM

Rose and White Flushed. (Pkt. 10c), (oz. 40c), (¼ lb., \$1.50).

### ASTA OHN

Beautiful soft Lavender, suffused Mauve. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

### BLANCHE FERRY SPENCER

The standard is Bright Rose, the wings pinkish or bluish white. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

### COUNTESS SPENCER

A soft Rose Pink, which deepens at the outer edges. It shows a richer color in cool weather. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

### DOBBIES CREAM

A deep Cream, undoubtedly the best Cream Spencer grown, beautifully waved large flowers. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

### ELFRIDA PEARSON

Giant Blush Pink, a great favorite. The color is a lovely Pink throughout, the buds and flowers being tinted with Salmon Pink. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

### FLORENCE MORSE SPENCER

Deep Blush Pink. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

### FLORENCE NIGHTINGALE

A soft, clear, rich Lavender, enlivened by a very faint sheen of Rose Pink. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

### HELEN LEWIS

A very large Orange Pink. The wings are of orange and the standard of intense rich crimson orange. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

### KING EDWARD SPENCER

The best Red Sweet Pea grown; deep rich carmine scarlet. The wings are also carmine scarlet and on reverse side deep rosy carmine. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

### MARGARET ATLEE

A rich glowing Pink on cream ground, suffused with salmon in the standard, while the wings are a pleasing shade of pinkish rose and salmon. The flowers are very large, producing four on a long stem. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.75).

### MRS. ROUTZAHN

Buff or Apricot, with delicate pink. Plants are of vigorous, free habit and of supremely free flowering habit. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

### MASTERPIECE

Large, wavy, Lavender-tinted Mauve. (Pkt. 20c), (oz. 60c), (¼ lb. \$2.00).

### OTHELLO

Deep Maroon, very large. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

## Sweet Pea Collection No. 5 \$1.50

20 Pkts. Giant Spencer Sweet Peas  
Full Value \$2.45 for \$1.50, Postpaid  
Specify Collection No. 5

**BUY THE BEST—WE DO**

Inoculate your Sweet Pea Seed with  
"NITRAGIN CULTURE" See page 43



# GIANT SPENCER SWEET PEAS

## ROSABELLE

A beautiful deep Rose with white blotch at the base of the standard and wings. The flowers are unusually large, of fine substance and well placed on long stems. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

## ROYAL PURPLE

A rich, warm Purple; what we consider the best purple for our climatic conditions. (Pkt. 20c), (oz. 60c), (¼ lb. \$2.00).

## WEDGEWOOD

The best Blue Spencer. A unique shade of lovely blue. (Pkt. 10c), (oz. 50c), (¼ lb. \$1.75).

## WHITE SPENCER

A perfect flower of glistening whiteness, a superior strain of the finest Spencer. (Pkt. 10c), (oz. 40c), (¼ lb. \$1.50).

## PRESIDENT

Flowers are of the largest size, carried on strong, stiff stems, usually in fours. Brilliant Scarlet in color. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.50).

## ARIZONA SUNPROOF CRIMSON

A wonderful Crimson Sweet Pea of a very striking appearance. The name Sunproof is self-explanatory, as the hot sun has no effect on its rich, warm colors. It produces large flowers on long, stiff stems. (Pkt. 20c), (oz. 60c), (¼ lb. \$2.00).

## SPENCER MIXED

This mixture contains the cream of the very finest named Spencer varieties and will delight all who want a grand variety of colors. (Pkt. 10c), (oz. 35c), (¼ lb. \$1.25).

# CHRISTMAS FLOWERING SWEET PEAS IN NAMED VARIETIES

Our Christmas Flowering Early Spencer Sweet Peas are among the best for fragrance, size and beauty, and varieties as listed here are particularly adapted to our climatic conditions. Planted in September and October, they can be brought into flower in January; thus making it a grand addition to the garden of those wishing flowers early and late.

Our Christmas Flowering Spencer Sweet Peas, so called because they bloom earlier than the regular Spencer varieties, are of the newest and most up-to-date creations in Sweet Peas, and not to be confused with the ORDINARY so-called Christmas Flowering Sweet Peas which are put on the market at a much cheaper price. The ordinary kind is a small flowering type with short stems, while the Christmas Flowering Spencer produces a very large flower supported on long, stiff stems.

**EARLY LIBERTY, CHRISTMAS CRIMSON**—Nothing yet introduced has approached this deep sun-proof crimson or blood red. The vines are vigorous and bear quantities of fine large flowers. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

**EARLY MEADOW LARK, CHRISTMAS CREAM**—A deep, rich Cream. Many of the flowers are duplex and well waved. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

**EARLY MELODY, CHRISTMAS PINK**—A deep shade of Pink closely resembling Countess Spencer. The flowers are borne on long stems and mostly four large, well-waved blossoms on each stem. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

**EARLY SONGSTER, CHRISTMAS LAVENDER**—A splendid giant Lavender. Three or four flowers of large size and beauty on each stem. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

**EARLY WARBLER, CHRISTMAS PURPLE**—A rich Mauve Purple. Flowers are extra large and beautiful in form. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

**EARLY YARRAWA, CHRISTMAS APPLE BLOSSOM**—The color is a bright Rose Pink with a clear, creamy base. The flowers average 2½ inches in diameter and many are duplex or double. (Pkt. 25c), (oz. 75c), (¼ lb. \$2.25).

## Sweet Pea Collection No. 6

**\$1.25**—7 25c Packets Christmas Flowering Sweet Peas—Full Value  
\$1.75 for \$1.25, postpaid. Specify Collection No. 6.

**CHRISTMAS FLOWERING MIXED**—This mixture is made up of just the right proportions of the different colors as listed above to produce the most harmonious and pleasing effect. (Pkt. 25c), (oz. 60c), (¼ lb. \$2.00).



Picking our Early Flowering Spencer Sweet Peas in Mid-Winter in Phoenix

# SURPLUS BULB LIST

AT REDUCED PRICES

These Prices Prevail for January, February and March, 1924. Order Now—Our Stock is Limited

## SPECIAL SELECT HYACINTHS

LARGEST SIZE

This is the size used by the best florists to produce the largest and the most perfect flowers. We have them in the following colors: Pink, White, Blue, Red and Yellow.

Each, 15c; dozen, \$1.50.

Mixed—Per dozen, \$1.25.

## SELECTED HYACINTHS

SECOND SIZE

This is the size ordinarily sold for the largest size. It is a good standard size and produces wonderful flowers. In colors of White, Pink, Blue and Yellow.

Each, 10c; \$1.00 per dozen.

Mixed Colors—Per dozen, 85c.

## BEDDING HYACINTHS

MEDIUM SIZE

Excellent for bedding and borders. Red, Pink, White, Light Blue, Dark Blue and Yellow.

Each, 7c; Dozen, 75c.

Mixed Colors—60c Dozen.

## DUTCH ROMAN HYACINTHS

These are especially adapted to pot culture, the flowers are smaller than those of the regular Hyacinths but are much earlier and can be easily forced.

Pure White, Dark Red, Pink, Dark Blue, Light Blue and Yellow.

Each, 7c; 75c per dozen.

Mixed Colors—60c per dozen.

## DOUBLE DAFFODIL, or VON ZION

This is the wonderful Double Daffodil that we all know so well. The flowers are a beautiful golden yellow color and very double. Excellent for forcing in pots and also for out-door culture. Our bulbs are Double Nose, which throw more flowers than the Single Nose type.

Each, 5c; 1/2 Dozen, 40c; Dozen, \$1.75.

## PAPER WHITE NARCISSUS

Fine for growing in water.

Each, 7c; Dozen, 75c.

## CHINESE SACRED LILIES

FINE LARGE BULBS

For soil or water culture.

Each, 15c; Dozen, \$1.50.

## DARWIN TULIPS

The Darwin Tulip cannot be too highly praised. The remarkably brilliant color, their large size and their robust growth which carries the flower on long, strong stems, make them unsurpassed as a desirable flower for cutting.

Mixed Colors—

5c Each; 50c per dozen.

## Large Trumpet Varieties as Follows:

Excellent for Outdoor Culture

EMPEROR—

Beautiful Deep Yellow.

GOLDEN SPUR—

Rich Golden Yellow.

VICTORIA—

Gold Trumpet, with White Perianth.

7c Each

1/2 Dozen, 40c

Dozen, 75c

## NARCISSUS

POETICUS ORNATUS

This variety of Narcissus blooms very early and profusely. The petals are pure white, while the cup is a clear yellow, margined with scarlet. It is fragrant with a rich spicy odor and excellent for both indoor and outdoor culture.

Each, 5c; Dozen, 50c; Hundred, \$3.00.

## AMARYLLIS BELLA DONNA

A strikingly beautiful flower of immense size held on long stiff stems. The color is white, shaded with pink and light purple hues. As a rule they flower before the leaves appear and are very fragrant.

Very Large Bulbs—

Each, 25c; 5 for \$1.00; Dozen, \$2.00.



HYACINTH

BUY THE BEST—WE DO

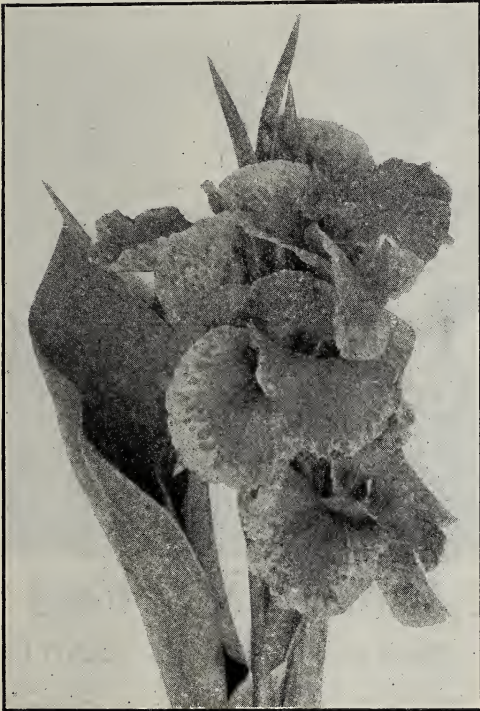
All Bulbs on this page sent POSTPAID.



# CANNA BULBS

## NEW VARIETIES WITH LARGER FLOWERS AND MORE OF THEM

In no other flower has there been such a rapid development. For Arizona and New Mexico they are the finest bedding plant we have. Flowers are of great size and of lovely shape, rivaling orchids in outline and coloring. Plant in a warm soil, plenty of water and in a half shaded location. The varieties offered here are not the common everyday Canna, but are the latest and most up-to-date varieties, and are not to be classed with the roots you would get from your neighborhood bed.



CANNA

**GLORIOSA**—Large crimson flowers edged with gold; the gold gradually shading into the crimson, making a beautiful combination. The foliage is green. The height 3 to 4 feet. (Each 20c), (6 for \$1.00), (dozen \$1.75).

**MRS. A. F. CONRAD**

**A Soft Rose Pink—Very Large**

In offering this Canna we have something worth while. The flower is a beautiful soft rose pink with a mahogany brown in the throat, shading through the loveliest hues of soft light rose pink. The foliage is bright green; 3 to 4 feet. (Bulbs each 25c), (5 for \$1.00), (doz. \$2.00).

**L'PATRY**—One of the prettiest of the salmon pink varieties. The trusses of flowers are immense and of fine substance. The petals are long and pointed with yellow streaks at the center. The foliage is green and the height is 3 to 4 feet. (Each 20c), (6 for \$1.00), (doz. \$1.75).

**WEST GROVE**—Green foliage, height 3 to 4 feet. Flowers 4 to 5 inches across, large truss, color a deep cerise pink. (Each 25c), (5 for \$1.00), (dozen \$2.00).

**COLOSSAL**—The Largest Canna Grown. Deep rich crimson with drooping petals, which when spread often measure 9 to 10 inches across. The foliage is green and it grows to a height of 5 to 6 feet. We consider this the very best crimson. (Each 20c), (6 for \$1.00), (doz. \$1.75).

**DIOTRANTO**—Green foliage, height 3 to 4 feet. Truss flower of large size and lily-shaped. Color a strong orange yellow with bright vermilion red throat from which shoots rays of bright red into the rich yellow; very striking. (Each 20c), (6 for \$1.00), (dozen \$1.75).

**DR. ROBERT FUNKE**—A large flowering variety with glowing scarlet blossoms. The foliage is green and the height 3 to 4 feet. (Each 15c), (dozen \$1.50).

**ALLEMANIA**—A combination of orange and gold, large orchid flowering. Green foliage, height 3 to 4 feet. (Each 20c), (6 for \$1.00), (dozen \$1.75).

**HUNGARIA**—Two to three feet high, very compact, almost dwarf and of luxuriant growth, flowers large with rounded petals, color a blue-pink with cream in the throat. (Each 25c), (5 for \$1.00), (dozen \$2.00).

**WYOMING**—Bronze leaf, 4 feet high. A true orchid flower of large size and fine shape, color a true orange, rich, velvety and strong. (Each 20c), (6 for \$1.00), (dozen \$1.75).

**GLADIATOR**—Bright yellow flowers spotted with rich red spots of various sizes. The foliage is bright green. Height, 5 to 6 feet. (Each 20c), (6 for \$1.00), (dozen \$1.75).

**VENUS**—Green leaves, 3 to 4 feet high. Fine orchid flowers of a clear rose-pink with golden edges and throat. (Each 25c), (5 for \$1.00), (dozen \$2.00).

**QUEEN HELENE**—This is one of the very best Cannas; a sturdy grower, with immense flowers of a rich golden yellow spotted heavily with vermilion. (Each 25c), (5 for \$1.00), (doz. \$2.00).

**MADAM ELIDA BERTIE**—A lily-shaped flower of a clear lemon yellow thickly spotted with old rose. Wonderfully effective for table decorations. (Each 20c), (5 for \$1.00), (doz. \$1.75).

## ANTIGONON LEPTOPUS

### A BEAUTIFUL PERMANENT VINE, BEARING LOVELY SHELL PINK BLOSSOMS

**Antigonon Leptopus**—(Queen's Wreath)—Admirably adapted to our climate in the Salt River Valley. Grows an immense vine early, kills down by frost, and grows the following Spring from the roots. There are only a few of these to be found in the Valley, but those few excite no end of comment during September and October, when they are covered with a mass of beautiful pink blossoms.

(Medium size tubers, per clump, 50c), (Large tubers, per clump, 75c).

## New Mexican Ever Blooming Tuberose

### PRETTY AND FRAGRANT

Originated in Mexico, where it is grown to perfection under tropical conditions. They have long stiff stems, pure white single flowers, and are delightfully fragrant. They withstand the hot sun, begin blooming in July, and continue until frost. They may be cut when the first flower opens and they will keep for a week or ten days. Single bulbs planted soon become clusters of bulbs, until they become so thick it is necessary to thin and transplant them. We can supply bulbs from January first to June first, and we earnestly recommend them to our customers for garden display or cut flowers.

Each 10c, dozen \$1.00



## FLOWERING PLANTS, BULBS AND VINES

### NOTICE

The prices on these items are postpaid, unless otherwise noted, and they will be sent as soon as the plants are large enough for shipping; or in case of bulbs, in their proper season.

### CALLA LILY

Requires rich soil and a shaded location. Medium size bulbs, Each 25c; Large size bulbs, Each 35c.

### GLADIOLUS

Planted during the very early Spring, they will produce handsome cut flowers that will last for a week or more. Assorted colors. (Dozen \$1.00).

### CALADIUM BULBS

Require rich, moist soil and a shaded location. Very large bulbs. (Each 30c).

### WISTARIA

Universally admired. Growth is extremely rapid, attaining a height of 40 feet in a few years. Has dense clusters of purple or white flowers. Large, strong roots. (Each \$1.00).

### VIOLET PLANTS

Strong, healthy plants. Ready November 1st. Extra fine plants (10c each), (\$1.00 per dozen),

### CHRYSANTHEMUM PLANTS

Rooted cuttings grown from fancy large flowering varieties. Plant in rich, moist soil and cut back to within eight inches of the ground June 1st, allowing one or two branches to grow. From 2½-inch pots. (Each 25c), (\$2.50 per dozen).

### HONEYSUCKLE

#### HALL'S JAPAN

A vigorous, evergreen climber. Flowers white, changing to yellow. Very fragrant. (Each 75c).

### VIRGINIA CREEPER

One of the most valuable of climbing vines. Once the plants are well started and firmly rooted they thrive with but little water and care. Leaves are large and green, changing to a brilliant scarlet in the Fall. (Each 50c).

### MADEIRA VINE TUBERS

A well-known climber with white flowers and foliage of waxy appearance. Large size bulbs. (Each 10c), (3 for 25c).

### MOON FLOWER VINE

We grow these in pots and can supply them about March 1st. (Each 25c).

If you enjoy our catalog, please tell your friends. A card will bring it to them free of charge.

**BUY THE BEST—WE DO**



## ROSES

If wanted by mail, add 3c per bush for postage. Express shipments will allow for more packing around the roots and we suggest having them expressed rather than mailed.

Our roses are field grown, budded and own root stock, and are usually ready for shipment by January 15. We list here those varieties which have proven most successful under our soil and climatic conditions.

In setting out roses a hole should be dug at least one foot in depth and 15 inches wide for each plant; the roots should be carefully spread out and covered with fine soil; manure should

never be placed in actual contact with the roots, but near at hand, within reach of the new feeding roots when growth begins. The remaining soil should then be packed in firmly, the surface leveled and covered with about three inches of pulverized manure and straw. In selecting your varieties, please add to the order a few supplementary varieties lest by previous orders the stock of any particular one should be exhausted.

### SPECIAL NOTICE—IMPORTANT

Due to the great scarcity of Roses this year, we offer them only, subject to being able to supply. Please state in your order if it will be satisfactory with you for us to substitute varieties if we cannot supply what you order. If

you fail to state "No substitution," we will use our best judgment in selecting varieties for you, or if you want only the varieties you order, we reserve the right to refund the money sent if our supply is exhausted.



MME. EDOUARD HERRIOT

### LATEST INTRODUCTIONS

#### MME. EDOUARD HERRIOT

Very popular because of its wonderful freedom of bloom and fascinating color. In the bud it is a coral shaded with yellow and bright rosy scarlet passing to a shrimp red. (Each \$1.00).

#### TIP TOP

An everblooming Polyantha of the Cecil Brunner class. The color is golden yellow, tipped with cerise and the little buds are perfect form. (Each \$1.10).

### NEW AND SCARCE ROSES

When unable to fill orders as specified we will substitute the nearest variety unless a second choice is included or we are instructed not to substitute.

#### BELLE SIEBRECHT

A magnificent rose of bright deep pink. Flowers are extra large and well formed, the buds being especially beautiful. A free and constant bloomer. (Each 75c).

(See page 78 for Pruning Shears)

#### CLIMBING AMERICAN BEAUTY

The ever-popular American Beauty Rose with the addition of the climbing habit has proved hardy and capable of standing heat and drouth. (Each \$1.00).

#### CLIMBING SUNBURST

Flowers are identical in form with the bush variety and the vine is a strong grower. (Each \$1.00).

#### J. L. MOCK

Clear imperial pink, reverse of petals rosy, silvery white. Blooms of magnificent size and form, produced on stiff erect canes. (Each \$1.00)

#### MARECHAL NIEL

Climbs to a great height and yields beautiful golden-yellow buds and blooms in rich profusion. (Each \$1.00).

#### SUNBURST

A rose true to name which is creating a great sensation. The color is orange copper or a blended golden orange and golden yellow shaded lighter at the edges of the petals. Its long pointed buds, which may be cut tight for market, puts it in a class with the American Beauty. (Each \$1.00).

### GENERAL COLLECTION

**American Beauty**—The world-famous rose. Magnificent buds. Flowers extra large and deep petals, beautiful form and very double. Rich rosy crimson. (Each, 65c), (doz. \$6.50).

#### ANNA DE DIESBACH

Color a bright deep clear pink. Long, pointed buds and large, finely formed compact flowers, very full and double. (Each 75c).

#### ANTOINE RIVOIRE

Creamy white, delicately tinted with pink; extra large petals, making a bloom of decidedly distinct form. (Each 75c).

**BUY THE BEST—WE DO**

# ROSES

**BRIDE**—An ever-blooming pure white Tea Rose of large size and perfect form. The buds are pointed and the ends of petals are curved back slightly. (Each 75c).

**BLACK PRINCE**—Splendid dark crimson flowers, very globular and good. A strong grower, a good Spring and Fall bloomer, and a general favorite. (Each 75c).

**CLARA WATSON**—Rich salmon-pink with very graceful flowers, resembling Bridesmaid in form and produced in remarkable profusion. (Each 75c).

**DUTCHESS OF ALBANY**—A lovely shaded deep rose, quite commonly called "The Red La France." A continuous and free bloomer. (Each 75c).

**EDWARD MAWLEY**—Velvet crimson of a deep rich color on huge petals beautifully arranged. An ideal free and perpetual flowering garden rose. (Each 75c).

**ETOIL DE FRANCE**—A lovely shade of clear velvety crimson. The flowers are very large and borne on long stiff stems. (Each 75c).

**ETOIL DE LYON**—No better yellow bedder. Blooms freely and every flower is a gem. With proper care will bloom the entire year. (Each 75c).

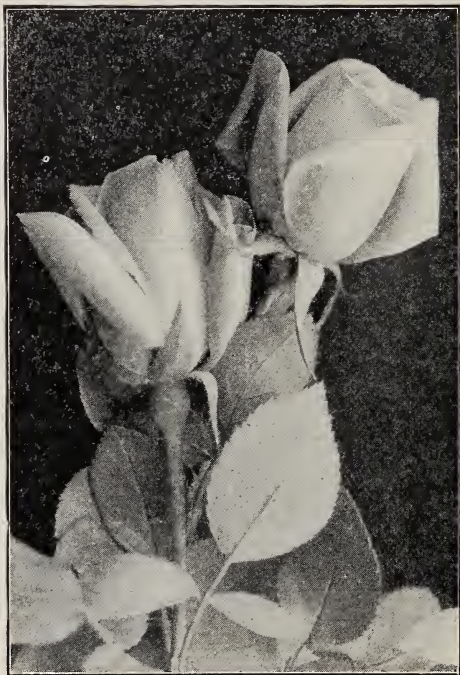
**FRAU KARL DRUSCHKI**—The white American Beauty. An everywhere hardy, vigorous grower, with bright green leaves, splendid long buds and snow-white blossoms. (Each 75c).



**BLACK PRINCE**

**GENERAL JACQUEMINOT**—A celebrated and much sought after variety; shapely buds and handsome blossoms of bright shining crimson. (Each 75c).

**GRUSS AN TEPLITZ**—Hardy in all sections; vivid, dazzling, fiery crimson; produces a mass of bloom. Excellent as a bedder. (Each 75c).



**LADY BATTERSEA**

**GENERAL McARTHUR**—A brilliant scarlet; bright rose color of good size, and double, of remarkably strong growth, upright and symmetrical. We recommend this as one of the best scarlets for bedding or for cut flowers. (Each 75c).

**HELEN GOULD**—An attractive rosy crimson. Buds exquisitely formed, long and pointed. Blooms large and full. (Each 75c).

**PINK KILLARNEY**—Immense long pointed buds, and massive flowers on big heavy stems. Petals frequently  $2\frac{1}{2}$  inches deep. The color is deep, brilliant and sparkling shell pink of the most exquisite shade. (Each \$1.00).

**LADY BATTERSEA**—A beautiful cherry crimson, permeated with an orange shade, becoming much darker in the Fall and Winter. This is a strikingly beautiful rose, and one which we highly recommend. (Each 75c).

**KAISERIN AUGUSTA VICTORIA**—Pure white, splendid large buds and full double blooms making the choicest cut flowers. (Each 85c).

**LA DETROIT**—A shell pink shading to a soft rose. Flowers large, beautifully formed and handsome both in bud and full bloom. An excellent rose for this climate. (Each \$1.00).

**BUY THE BEST—WE DO**

(See page 82  
for Fertilizers)



# ROSES

**LA FRANCE**—A superb standard variety of a delicate silvery rose changing to silvery pink. The flower is very large, full and globular form. (Each 75c).

**LADY HILLINGDON**—This is the yellow rose for the coming years. The foliage is beautiful and the slender deep rich yellow buds are borne on long willowy stems. (Each \$1.00).

**MAMAN COCHET**—White. A handsome creamy white rose, outer petals tinged with pink. The large perfect buds and mammoth flowers are produced on splendid stems, and are of excellent quality for cutting. (Each 75c).

**MAD. ABEL CHATENAY**—A very beautiful rose of novel and distinct color, being a cream rose color shaded with rose vermillion and tinged with salmon. The base of the petals are highly colored. A very valuable rose as a cut flower sort. (Each 75c).

**MAD. CAROLINE TESTOUT**—This clear pink rose is very large, double and sweet, resembling a La France. Free flowering and highly recommended. (Each 75c).

**MAD. PERNET DUCHER**—(Yellow La France)—Color a bright canary yellow. A vigorous and splendid bush for the garden. (Each 75c).

**METEOR**—This rich dark crimson rose is becoming more popular every year because of its rich color, and its excellent properties as a cut flower. (Each 75c).

**MLLE. CECIL BRUNNER**—A dainty little gem, rosy pink on a rich creamy white ground. Borne in large open clusters. (Each 75c).

**PAPA GONTIER**—Rich carmine flush crimson, with silken texture. A delightfully fragrant and splendid grower. (Each 75c).

**PAUL NEYRON**—The largest of all roses, with an immense deep shining rose-colored flower, free blooming; very fine and showy. (Each 75c).

**RAINBOW**—A pretty striped variety resembling Papa Gontier in color, it being a lovely shade of carmine, striped in a most unique manner with intense crimson. (Each 75c), (doz. \$7.50).

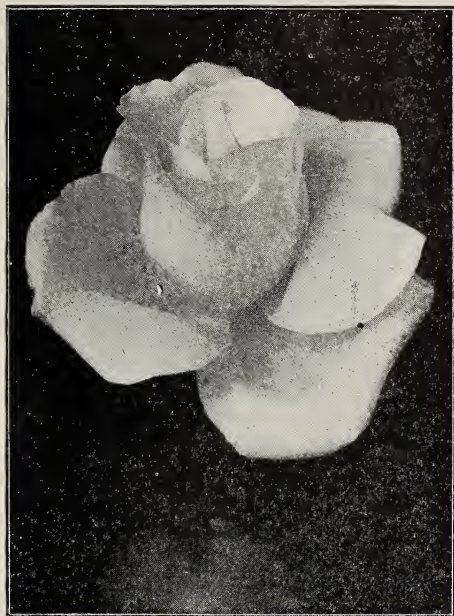
**SOUVENIR DE PIERRE NOTTING**—Beautiful yellow rose flushed light peach; flowers very large, well filled, and open, full and perfect. Buds are long, pointed and very fragrant. (Each 75c).

## Use FUNGI BORDO for Mildew on Roses; see page 81

**BLACK LEAF 40**—A solution of nicotine sulphate containing 40 per cent nicotine. The most highly recommended spray for soft-bodied sucking insects, such as plant lice, thrips, leafhoppers. (Small bottle, 35c), (½ lb. \$1.25), (2-lb. \$3.50), (10-lb. \$13.50). By express only.

**FISH OIL SOAP**—When used in connection with nicotine solutions it better enables the spray to stick to the foliage. (Lb. 30c), (10 lbs. \$2.50), postage extra.

**ULRICH BRUNNER**—Rich, glowing scarlet crimson flowers of exquisite form, borne on very large stiff stems. The buds are perfect in outline and color. (Each 60c), (doz. \$6.00).



CLIMBING KAISERIN

## CLIMBING ROSES

(Each 75c), (doz. \$7.50). Postage or express extra

**CLIMBING CAROLINE TESTOUT**—A strong grower with foliage and flowers same as the bush from which it is a sport.

**CLIMBING CECIL BRUNNER**—One of the strongest growing roses, style of foliage and color same as the bush.

**CLIMBING KAISERIN**—Pure white, shaded at base of petals to primrose.

**CLIMBING CHEROKEE PINK**—Color a bright clear pink.

**CLIMBING CHEROKEE RAMONA**—A beautiful single rose of very rapid growth.

**CLIMBING DOROTHY PERKINS**—Beautiful deep pink. We recommend this as one of the best climbers for Arizona.

**CLOTH OF GOLD**—A pure yellow.

**CLIMBING WOOTON**—Velvety red.

**GOLD OF OPHIR**—A combination of copper, carmine and salmon.

**WILLIAM ALLEN RICHARDSON**—Copper yellow flushed carmine

**CLIMBING BELLE SIEBRECHT**—Identical with the bush in flower.

# FRUIT TREES

In ordering Trees, state on the order blank if we may substitute the next nearest variety if we are out of the one you order. Write for quantity prices.



DELICIOUS APPLE

## APPLES

Prices—85c each, \$8.00 per 10

✓ Add 10c per tree if wanted by parcel post

✓ **GRAVENSTEIN**—Large yellow marked with red and orange; flesh tender, juicy and highly flavored. Ripens in August.

✓ **DELICIOUS**—A magnificent new variety, of fine appearance and delightful flavor; brilliant red; of large size, rather conical in form. Tree has good, strong habit of growth and excellent bearing qualities.

✓ **RED ASTRACHAN**—Large deep crimson, flesh white, crisp, juicy, rather acid. Ripens July and August.

✓ **WHITE WINTER PEARMAIN**—Commercial Winter variety. Pale yellow, with yellowish crisp flesh; juicy, with a fine sub-acid flavor. Ripens in November.

✓ **TRANSCENDANT CRAB**—A large golden yellow with rich crimson tint. Ripens in September.



ROYAL APRICOT

## PEACHES—FREESTONE

Prices—85c each, \$8.00 per 10

✓ Add 10c per tree if wanted by parcel post

✓ **ELBERTA**—Large yellow with red cheeks. Unexcelled for table use. Ripens in August.

✓ **FOSTER**—Fruit large yellow, red on cheek, flesh yellow, very rich. Ripens in July.

✓ **KRUMMELS**—A very fine flavored peach, ripening in October. Large, juicy and sugary.

✓ **SALWAY**—Equal to Elberta in size and flavor. One of the best for Arizona. Ripens in September.

✓ **LOVELL**—Large, almost perfectly round, yellow to the pit. Excellent for canning, drying or shipping. Ripens in August and September.

✓ **EARLY CRAWFORD**—Has all the good qualities of the Late Crawford. Ripens in August and September.



SALWAY PEACH

## PEACHES—CLING

Prices—85c each, \$8.00 per 10

✓ Add 10c per tree if wanted by parcel post

✓ **PHILLIPS CLING**—Fine large yellow, flesh firm and yellow to pit. Ripens in September.

✓ **TUSCAN**—Very large, pure yellow to stone. Ripens in July.

✓ **WHITE HEATH**—Very large, white with light shade of red. Ripens in September.

✓ **ORANGE CLING**—Large yellow with dark crimson cheek. Flesh golden yellow. Ripens early in August.

✓ **LEMON CLING**—Large lemon-shape, deep yellow with red cheek; flesh firm and rather acid. Ripens in August.

## APRICOTS

Prices—85c each, \$8.00 per 10

✓ Add 10c per tree if wanted by parcel post

✓ **NEW CASTLE**—Medium size, round, fine flavor, a good shipper. One of the best early varieties. Ripens June 1st.

✓ **MOOR PARK**—Large greenish yellow, shading to red on sunny side. Fruit is of highest quality. Excellent as a combination shade and fruit tree. Ripens in August.

✓ **ROYAL**—Medium size, skin dull yellow, slightly tinged with red. Excellent for canning and drying. Ripens in July.

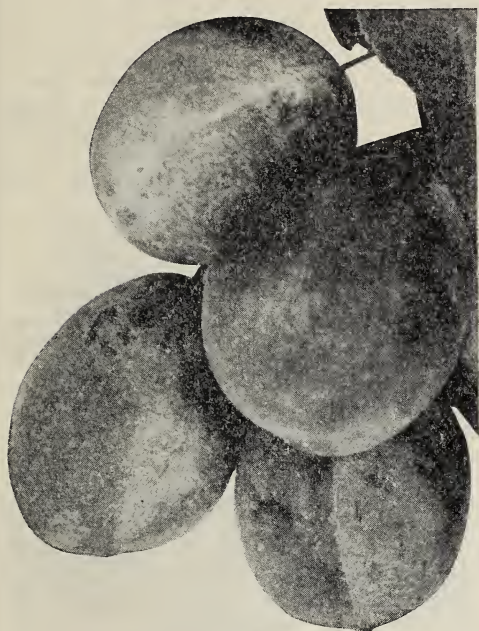
✓ **TILTON**—Large oval, flesh firm, yellow, heavy and a very regular bearer. Ripens in June.

**BUY THE BEST—WE DO**

(Spray your Trees and Roses  
See page 81 for Insecticides)



# FRUIT TREES

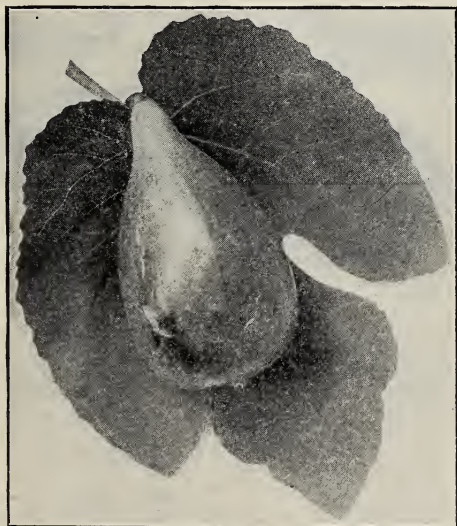


PLUMS

## FIGS

Price: 3 to 4-ft. Trees—\$1.00; 5 to 6-ft.—\$1.50  
Add 10c per tree if wanted by parcel post

- ✓ **MISSION BLUE**—Of strong growth and very productive. Best commercial variety.
- ✓ **WHITE ADRIATIC**—Skin greenish yellow, pulp red.



BLUE MISSION FIG

## PLUMS

- Price—85c each; \$8.00 per 10  
Add 15c per tree if wanted by parcel post
- ✓ **BURBANK**—Fruit large, round, red. Flesh yellow, firm, juicy and of fine flavor. Ripens in July.
  - ✓ **CLIMAX**—Very early, large and of delicious flavor. The leader in shipping plums. Ripens in June.
  - ✓ **GREEN GAGE**—Medium size, yellowish green, richest flavor, skin tender. Ripens in July.
  - ✓ **SATSUMA**—Medium to large, skin dark red, with thin bloom of lilac shade. Flesh dark blood red, firm, solid and juicy. Ripens in August.
  - ✓ **WICKSON**—Very large, heart shape, deep red, flesh, firm, juicy, and of fine flavor. Excellent shipper. Ripens in early August.
  - ✓ **KELSEY**—Very large, heart-shaped, skin yellow, shaded with red. Flesh yellow, firm, juicy and of pleasant flavor. Ripens August and September.
  - ✓ **SANTA ROSA**—Dark purplish crimson fruit, flesh pale amber near the skin. Good for shipping or for home use. Ripens in July.



## PEARS

- Prices—85c each, \$8.00 per 10  
Add 10c per tree if wanted by parcel post
- ✓ **BARTLETT**—Handsome large smooth Summer pear. Golden yellow, often with a blush next to the sun. Very juicy and with fine flavor. Ripens in August.
  - ✓ **WINTER BARTLETT**—Large smooth yellow with blush; tender, juicy and melting. A grand Winter pear. Ripens in November.
  - ✓ **KEIFER**—Large and handsome; rich yellow, sprinkled with small dots and often tinged with red. Flesh white, buttery and juicy. Pick in November and ripen in the dark.
  - ✓ **WINTER NELLIS**—Medium size, skin yellowish green and russet. Flesh yellowish white, rich, juicy and delicious. A splendid keeper and fine shipper. Pick in November and ripen in the dark.

# FRUIT TREES



THOMPSON'S SEEDLESS

## GRAPES

Each 25c; \$2.50 per dozen

Add 3c each if wanted by parcel post.

**THOMPSON SEEDLESS**—Bunches very long and loose, greenish yellow, and of fine flavor; vine a rapid grower and excellent for trellis. Ripens in August.

✓ **MUSCAT**—Oval, white. A raisin or wine grape of richest flavor. Bunches large and loose; excellent for shipping.

✓ **MISSION**—A strong grower, bearing large, loose bunches of round purplish black medium-sized berries. Sweet, juicy and delicious. Ripen in September.

✓ **ROSE OF PERU**—Vine a strong grower, well adapted for arbors. Very large, round, black and firm. Skin thick. Ripens in October.

✓ **TOKAY**—Handsome large berries, pale red, covered with bloom; skin thick, flesh firm and sweet. Bunches large and moderately compact.

✓ **BLACK CORNICHON**—Bunches long and loose; berries oval, tapering at both ends; skin thick and dark; covered with bloom; flesh firm, with pleasant flavor.

## QUINCE

Price—85c each; \$8.00 per 10

Add 15c per tree if wanted by parcel post

✓ **ORANGE QUINCE**—Large bright golden yellow of excellent flavor. Cooks tender. Valuable for preserves or flavoring. Ripens in September and October.

✓ **PINEAPPLE**—Fruits large and fine. Tree hardy, healthy and prolific.

## ALMONDS

Price—85c each; \$8.00 per 10

Add 15c per tree if wanted by parcel post

✓ **NONPAREIL**—One of the paper shell type, with large whole kernels. Tree of a weeping habit of growth and very ornamental. A remarkably heavy and regular bearer.

## OLIVES

5-8 to 3-4, \$1.00 each; \$9.00 per 10

3-4 to 1-inch, \$1.50 each; \$13.50 per 10  
By express only

✓ **MANZANILLO**—Purplish black, 1 inch long. Produces oil or green or ripe pickles of the highest grade. Ripens in October.

✓ **MISSION**—Fruit medium to large. Gets black. Succeeds well under all circumstances. Ripens late.

## PRUNES

Price—85c each; \$8.00 per 10

✓ **FRENCH PRUNE**—Medium sweet, oval; skin purple; flesh rich and very sweet. The variety most extensively used for drying.

✓ **SUGAR PRUNE**—Fruit very large; skin tender, dark purple, covered with white bloom; flesh yellow, tender and sugary.

## POMEGRANATE

Each 75c; \$6.50 for 10

✓ **WONDERFUL**—New variety. Large; highly colored; pulp richly colored, of good flavor; very fine. Ripens late.



SOFT SHELL PECAN

## PECANS

Price, Budded—\$2.00 to \$3.00. By express only  
Good flavor, nuts large, shell thin. Quality good and heavy bearers.

## SMALL FRUITS

	Each	Doz.	100
DEWBERRY.....	20c	\$2.00	\$9.00
LOGANBERRY.....	20c	\$2.00	\$9.00
BLACKBERRY.....	15c	\$1.50	\$8.00

**BUY THE BEST—WE DO**

(See page 78 for  
Garden Hose)



## DECIDUOUS SHADE TREES

Prices on all shade trees f. o. b. Phoenix, as follows:

5 to 6 ft. Straight (Whips).....	\$ .75	6 to 7 ft. Well Branched.....	2.00
5 to 6 ft. Branched.....	1.00	7 to 8 ft. Well Branched—Extra Good.....	3.00
6 to 7 ft. Nicely Branched.....	1.50	10 to 12 ft. Well Branched—Very Best.....	4.00

All well balanced trees, and sure to please you. Write for quantity prices.



ARIZONA ASH

## DECIDUOUS AND EVERGREEN SHRUBS

We recommend shipment by express.

**ALTHEA** (Rose of Sharon)—These are the most beautiful shrubs we have to offer. They bear flowers in great profusion and bloom freely from June to frost, when scarcely any other shrub is in bloom. \$1.00 and \$1.50 each.

**EUONYMUS Japonicus**—An evergreen of dense, upright growth; leaves dark, lustrous green. Very effective, and of easy culture. Balled, \$2.00 and \$3.00 each.

**SPIRAEA VAN HOUTTEI** (Bridal Wreath)—Charming garden shrub of moderate size. White flowers are borne in great profusion in the spring. 75c and \$1.00 each.

**ARBORVITAE** (Thuja)—One of the most beautiful, compact, ornamental shrubs. Suitable for cemeteries and in narrow corners of beds where slow growth is desired. Balled, 2 to 5 ft., \$2.00 to \$4.00 each.

**CYPRESS, Arizona**—Splendid native ornamental tree of pyramidal habit. Never damaged by frost. Foliage bluish green. Balled, \$1.50 to \$6.00 each.

**CYPRESS, Italian or Pillar**—This is a favorite for planting in cemeteries, or at the entrance of driveways or walks. Branches are erect and grow close to the trunk. Foliage dark green. Balled, 3 to 5 ft., \$2.00 to \$6.00 each.

**EUCALYPTUS, rudis** (Desert Gum)—This is the most used variety and very valuable for arid regions; in fact, it is unsurpassed by any other variety for withstanding heat, cold or wind. Attains a height of 100 feet. 75c, \$1.00 and \$1.50 each.

**POMEGRANATE, Flowering**—Very handsome shrub with shining green leaves and large, double, red or white flowers. 75c and \$1.00 each.

## ARIZONA ASH

Considered the most satisfactory shade tree for Southern Arizona. While it is not of rapid growth, it seems better adapted to our soil and climatic conditions than most others. We have no hesitation in recommending this as our best shade tree.

## TEXAS UMBRELLA

The Umbrella forms a symmetrical round head. As a quick grower it has become very popular in arid and semi-arid regions.

## POPLAR, CAROLINA

An upright-growing tree, with pyramidal head; very large, glossy, deep green leaves. A rapid grower and a very popular variety for street planting.

## POPLAR—BALM OF GILEAD

This tree differs from the other Poplars in that it has a large, spreading head and leaves, making it quite useful for shade.

## LOCUST, BLACK

This is a quick-growing, hardy tree, which blooms freely during the Spring months. Very suitable for this section of the country.

## MULBERRY, RUSSIAN

This is the best Mulberry for shade. Has large leaves, a spreading head, is very hardy and quick growing. Very drought-resistant.

Include postage if wanted by Parcel Post

**OLEANDER**—This is a well-known and popular flowering shrub which does well in our climate. We have the best varieties, both double and single, in Red, White and Pink. \$1.00 to \$2.50 each.

**PRIVET, California**—Best of all hedge plants, with shining green foliage. Does well in our climate and deserves to be planted extensively wherever a hedge is desired.

One year old—Each.....	.10	100.....	\$ 7.00
Two " " Each.....	.15	100.....	10.00
Three " " Each.....	.20	100.....	15.00

**PEPPER TREE**—One of the most attractive trees we have. It often grows to a height of 50 feet. Without doubt the most popular evergreen tree in the Southwest. The drooping, feathery foliage makes it one of the most beautiful of ornamental shade trees. 1-year old, \$1.00; 2-year, \$1.50.

## PALMS

**PHOENIX Canariensis** (Canary Island Palm)—This is easily the best Palm for general planting. Very appropriate as an ornament for the porch or other decoration, being a slow grower in pots or tubs. When given room in the ground it grows rapidly and forms a magnificent, spreading Palm, very distinctive and dignified in appearance. It is very hardy and will withstand the conditions of this section very successfully. \$2.00 to \$6.00 each.

**WASHINGTONIA Filifera** (California Fan Palm)—Very hardy-growing Fan Palm. One of the best for this immediate vicinity on account of its ability to withstand much frost. Grows very rapidly and at the edge of its leaves are produced many thread-like filaments. Balled, 2 to 3-yr., \$2.00 to \$3.00 each.

# ***Blatchford's***

## **CHICK MASH**

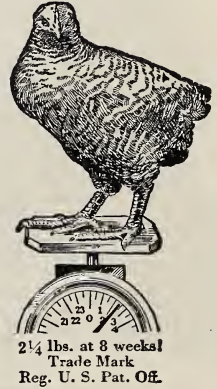
(Formerly known as Blatchford's Milk Mash)

This is a carefully milled and prepared milk-substitute which contains a wider variety of essential materials than any other feed you can buy.

Note the ingredients: *Dried Milk Albumin, Meat Scraps, Fish Meal, Blood Flour, Bone Meal, Corn Meal, Oatmeal, Wheat Middlings, Cocoa Shell Meal, Locust Bean Meal, Rice Polish, Old Process Linseed Meal, Coconut Meal, Wheat Flour, Barley Meal, Calcium Carbonate.*

That's giving chicks the *variety* of materials they need to *grow* and *grow rapidl*. Try it on our recommendation. Save 90 to 95 per cent of your chicks. Grow them faster. Get a supply today.

4-lb. package .....	\$ .50	50-lb. bag .....	\$3.25
10-lb. bag .....	1.00	100-lb. bag .....	6.00
25-lb. bag .....	2.00	(Postage or express's extra)	



## **POULTRY FEEDS**

We have a full line of Poultry Feeds, such as

BRAN  
ROLLED BARLEY  
LAYING MASH  
MILO MAIZE  
SCRATCH FEED  
BEEF SCRAPS  
WHEAT  
OYSTER SHELL  
GRIT  
GROUND BONE  
CHARCOAL  
ETC.

The market on these items is constantly changing, therefore we do not catalog prices. If you are interested, please ask us to quote you.

### **FRENCH'S POULTRY MUSTARD**

A wonderful laying tonic. (1 1/2-lb. pkg. 75c). (3-lb. pkg. \$1.25), 5-lb. pkg. \$1.75), postpaid.

### **POULTRY PEPPER**

Lb. 25c, postpaid.

### **POWDERED SULPHUR**

Lb. 15c, postpaid.

IT'S EASY TO RAISE CALVES ON

## **BLATCHFORD'S**

### **Calf Meal**

Calves take readily to BLATCHFORD'S CALF MEAL. It is extremely palatable and the feeder has no difficulty in using it. Furthermore, it makes them GROW.



From every standpoint it is very much to the advantage of every one who has calves to raise to use this milk-substitute. It is more economical than milk. It raises the finest kind of calves. It is easy to feed.

USE IT ON OUR RECOMMENDATION.

25-lb. sack .....	\$2.00
50-lb. sack .....	3.50
100-lb. sack .....	6.50
f. o. b. Phoenix	

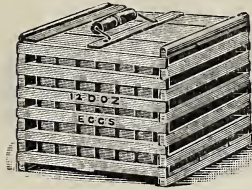
**BUY THE BEST—WE DO**

(Plant Swiss Chard for Chicken Feed.  
See page 12)



# POULTRY SUPPLIES

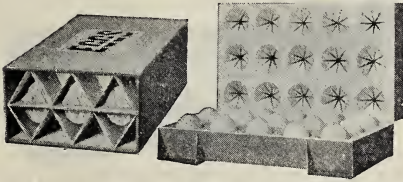
## HUMPTY DUMPTY EGG CARRIERS



Humpty Dumpty Egg Carrier

Made in sizes to hold 3, 6 and 12 dozen eggs respectively. The best returnable shipping crate on the market and a handy crate to deliver eggs to the market.

Complete with paste-board fillers:  
3-doz. size, each..\$.60  
6-doz. size, each..\$.90  
12-doz. size, each..1.10  
Postage extra



**ANDERSON EGG BOXES**—Take no chances on breakage. Anderson Parcel Post Egg Carriers will protect you against loss. 15-egg size for hatching eggs, each, 35c; 30-egg size for hatching eggs, 50.

**MARKET EGG CARTONS**—2x6 and 3x4. Heavy Cardboard Cartons holding one dozen eggs. 1 doz. 35c; \$2.50 per 100; 50 at the hundred rate. Postage extra.



**OLLA FOUNT**—Of porous stone ware, strong and durable. They are popular with poultrymen because they keep the water cool and refreshing; cannot be upset by the fowl and are easy to keep clean. (1 qt. 50c), (2 qt. 75c) (4 qt. \$1.25), postage or express extra.

## SANITARY FEED PANS



### FOR GROWN FOWLS

Can be used for feed, wet mash or water. Barred top prevents wasting of feed. Made of the best galvanized iron in 3 sizes.

No. 21	12 inches long.....	\$.60
No. 22	18 inches long.....	.75
No. 23	24 inches long.....	1.00

Postage or express extra.

## MOE'S DOUBLE FEEDING TROUGHS



Sliding Top—Easily Cleaned

For Chicks and Growing Stock

Made of best quality galvanized iron, accurately stamped with dies. No sharp or rough edges to injure the chicks. Made in three sizes.

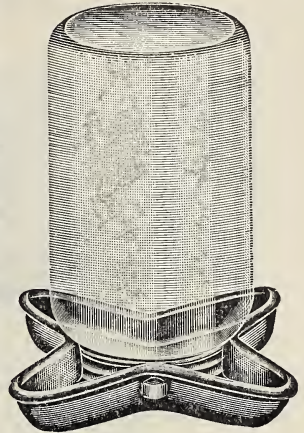
No. 58	12 inches long.....	\$.60
No. 59	18 inches long.....	.75
No. 60	24 inches long.....	1.00

Postage or express extra.

The Most Simple, Practicable and Durable Mason Jar Fount on the Market.

Will fit pint, quart or one-half gallon Mason jar. Manufactured of one piece of non-rusting metal. No parts to come unsoldered. Leaking impossible. Convenient, cheap and sanitary. Provides greater drinking surface than the round fountain. Little chicks can not get drowned. Can be used for feed as well as water. Manufactured in one size only.

(Each 15c), (doz. \$1.65), postpaid.



## MOE'S CHICKEN FEEDER



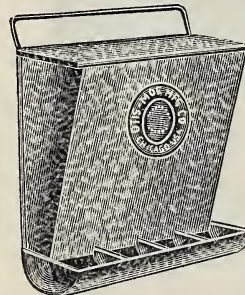
Great feed saver, as the little chicks cannot get into it and contaminate the feed. Can also be used for water. This is not a novelty, but a practical, well-made feeding device that will last for years. Made of the best grade of galvanized iron in two sizes. (Small, each, 25c; large, each, 35c), postpaid.

## GRIT AND SHELL BOX

Made of galvanized iron with three compartments; fitted with hinged lid and strong bail for hanging clear of litter; may be used for grit, shell, charcoal, bone or beef scraps.

2	Compartment, .....	\$.60
3	Compartment, .....	1.15
4	Compartment, .....	1.50

Postage or express extra.



## BOTTOM FILL FOUNTAIN

Easily Filled and Cleaned  
Postage extra.

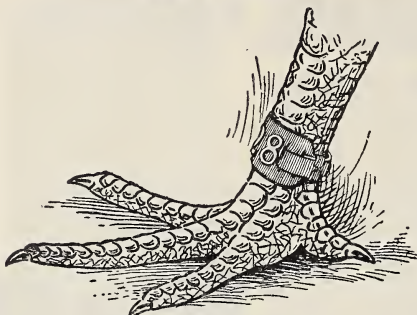
1 qt. size .....	50c
2 qt. size .....	75c
4 qt. size .....	\$1.00





# POULTRY SUPPLIES

## LEG BANDS



### IMPROVED CHAMPION

Made of aluminum in two sizes; adjustable to fit any fowl. Held by double lock, it is impossible for them to be lost. (12 for 15c), (25 for 30c), (100 for 85c), postpaid.

## CELLULOID BANDS

Made in six sizes and ten colors. Light, durable and will stay where you put them. When ordering, please specify breed of chickens the bands are intended for. (12 for 15c), (25 for 30c), (100 for 85c), postpaid.

## NEST EGGS



### MEDICATED NEST EGGS

Contain a powerful disinfectant which is guaranteed to expel lice and vermin. (Each 10c), (doz. 95c), postpaid.

## PORCELAIN

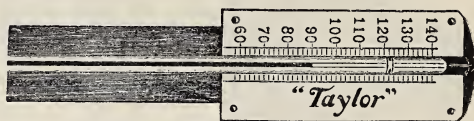
We handle only the best grade of china nest eggs. (60c dozen), postpaid.

## PETTY'S POULTRY PUNCH



One of the most convenient punches made. It is small and easy to operate, cutting a clean hole every time. (Price 25c), postpaid.

## THERMOMETERS



### BROODER THERMOMETER

When placed in a hole in top of brooder or hover, the scale may be read from the outside while the bulb of the thermometer is inside. (Each \$1.25), postpaid.



### No. 5774 INCUBATOR THERMOMETER

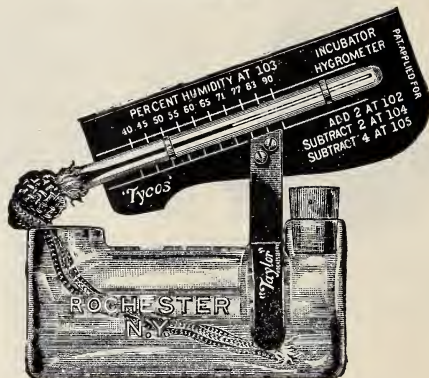
Incubator Thermometers—Many persons using incubators and brooders fail to understand the importance of having a thoroughly tested and reliable thermometer. We have the famous Tyco's line, which are considered the best procurable.

No. 5774—Thermometer—Flat ..... 90c each

No. 5770—Thermometer—With legs \$1.00 each

No. 5732—Thermometer—Certified... 1.25 each

Postpaid



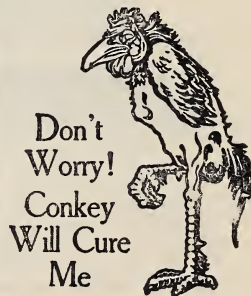
### TYCOS HYGROMETER

The amount of moisture required during a period of incubation varies and should be tested. This may be done accurately with a hygrometer. (Each \$2.00), postpaid.



USE  
CONKEY'S  
REMEDIES

See  
Red  
List



**BUY THE BEST—WE DO**

( See Red List for  
Conkey's Poultry Remedies)



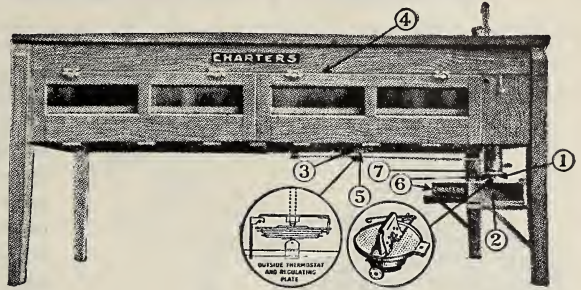
# CHARTERS INCUBATOR

A record of eighty-three machines last year, the first season introduced, is proof of its deserved popularity.

It is the only machine that hatches as well in a frame building as in the best incubator cellar. This is made possible by the double temperature control—an inside and outside thermostat.

Other outstanding features of the CHARTERS INCUBATOR are:

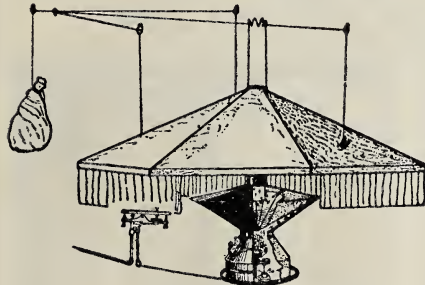
- 1—Trim the wick once a week only.
- 2—Fill the lamp once a week only.
- 3—Outside Thermostat takes care of outside changes of temperature.
- 4—Special Process for retaining moisture.
- 5—Charters Burner and big tank reduce the fire risk.
- 6—Flame control reduces oil consumption.



CHARTERS INCUBATORS are made with oil or electric heating plants and also with both.

Four Sizes Only:		Electric or oil	Combination Oil and Electric
540-Egg	size.....	\$85.00	\$100.00
405-Egg	size.....	70.00	85.00
270-Egg	size.....	60.00	75.00
135-Egg	size.....	50.00	65.00

All prices F. O. B. Phoenix



## KRESKY'S "PRIDE OF PETALUMA"

BROODER STOVE

Now equipped with canopy and curtain, is the perfect brooding device for 1000 to 2500 chicks. Write for literature.

\$63.00, Complete

(Except stove pipe) F. o. b. Phoenix

## FOR POULTRY

ROUP AND CANKER

Fill a tub with B-K dilution, 1 ounce to each gallon of water. First, duck all well birds in this, then duck all sick birds clear under and remove the cheesy masses from the eyes and nasal passages, and then duck their heads again. Clean the chicken house, nests, roosts and yard, and burn litter, and then spray all with B-K dilution, one ounce to gallon of water. Sterilize drinking water.

INCUBATORS AND BROODERS

Wash inside parts, also hover cloths, with one teaspoonful of B-K to each quart of water. Dry thoroughly. Write for Bulletin 213.

For Farms, Dairies, Hospitals, Schools and Factories B-K is sold in gallon and five-gallon packages. Save money by buying larger sizes.

4-ounce	Bottle .....	35c
10-ounce	Bottle .....	60c
1-quart	Bottle .....	\$1.25
1-gallon	Jug .....	3.00
5-gallon	Jug .....	12.50

F. o. b. Phoenix

CANNOT be sent by mail

# We Sell

# B-K

Bacilli-Kill Trade Mark

## Clean--Powerful--Safe

## DISINFECTANT DEODORANT ANTISEPTIC

**For 145 Important Farm and Household Uses.**

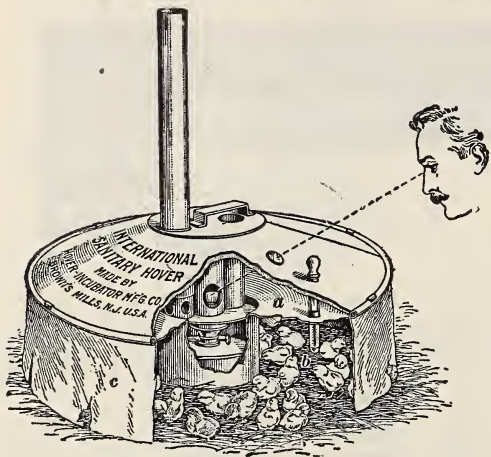
5601

90% of all orders are filled same day received )

BUY THE BEST—WE DO

## BROODERS

### INTERNATIONAL SANITARY HOVER



Newly hatched chicks represent not profits but possibilities. Those who want chicks to lower the high cost of living must not lose sight of this fact. The **INTERNATIONAL** is designed to meet the demand for a small brood hover. It supplies fresh air to the chicks without drafts. It is circular, therefore has no corners for crowding, the heat is radiated downward upon the backs of the chicks. The Lamp may be removed without kneeling in the dust or mud and last, but not least, it is low priced.

Capacity, 100 Chicks

Price, \$16.00, f. o. b. Phoenix

### QUEEN COLONY BROODER

THIS IS A NEW AND IMPROVED DESIGN OF BROODER STOVE

We have studied the Brooder Stove situation in this country for eight years and have come to the conclusion that the coal burner is the most reliable and surely the most satisfactory stove for our climatic conditions. In the first place it is the most economical. Last season we proved by test that the **Queen Colony Brooder** ran the season on less than half the expense of our oil-burning stoves. The great objection to a coal-burning brooder stove is the fact that it burns coal, but we have proven to our own satisfaction that because the sun shines seven days in the week in a moderate climate that it is not necessary to make elaborate preparations for brooding, but that idea is all wrong. A chick that gets chilled is a weakling, its growth is stunted and it is subject to white diarrhoea. On the other hand, if they are kept warm and growing, the loss is very much less and a strong, healthy brood is the result. The original investment in a brooder stove may seem large, but if one stops to think that the loss of 200 chicks in a season will probably cover the original investment and the equipment is still good for years to come.

Good brooding is just as important as good hatching, and the **Queen Colony Brooder** will do the job right.

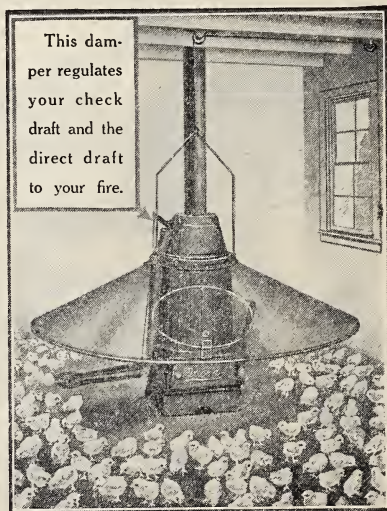
No. 1—600 Chick Capacity.....\$23.75  
No. 2—1200 Chick Capacity.....29.50

### MOE'S OAT SPROUTER

Provides the very necessary green feed at all seasons. Healthy chickens and more eggs.

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

Packed knocked down, 1 in a crate. Shipping weight, 30 lbs.  
Each, \$7.50, f. o. b. Phoenix



This damper regulates your check draft and the direct draft to your fire.

### QUEEN COLONY BROODER

#### CORRUGATED ELBOWS

No. 115. Corrugated Elbows.. Diameter 3 in. Black. Each, 30c.

#### CHIMNEY COLLARS

No. 117—Chimney Collars. Size 6x3 inches. Each, 15c.

#### SMOKE PIPE FOR BROODER STOVES

Smoke Pipe. Diameter, 3 in. Black sheet iron, in 2-ft. lengths. Price per length, 35c each.

**BUY THE BEST—WE DO**

(For Health Chicks Use Blatchford's Chick Mash. See page 70)



# Planet Jr. Garden Tools

The farm and garden tools that save your time, lighten your labor, and get bigger crops—the longest lasting and most economical implements made. Fully guaranteed.



No. 12 Double and Single Wheel Hoe

## No. 12 Planet Jr. Double and Single Wheel Hoe

A Double and Single Wheel Hoe in one. Straddles crops till 20 inches high, then can be worked between the rows with one or two wheels.

The Hoes are wonderful weed killers and leave the ground almost clean.

**Cultivator Teeth** for deep or shallow work. Plows are valuable for opening furrows, covering or plowing to or from the crop.

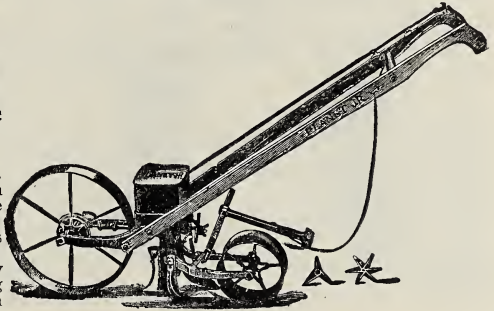
Weight, 33 lbs.

Price, \$14.50, f. o. b. Phoenix

## No. 5 PLANET JR. HILL AND DRILL SEEDER

No. 5 is undoubtedly the best seeder we make for market gardeners, lettuce, beans and onion growers and other large planters. The style of construction is the same as in No. 3, the valuable mechanical features being common to both.

16½-inch steel driving wheel  
Weight, packed, 51 lbs. Holds 5 quarts  
\$25.00—f. o. b. Phoenix



No. 5 Seeder

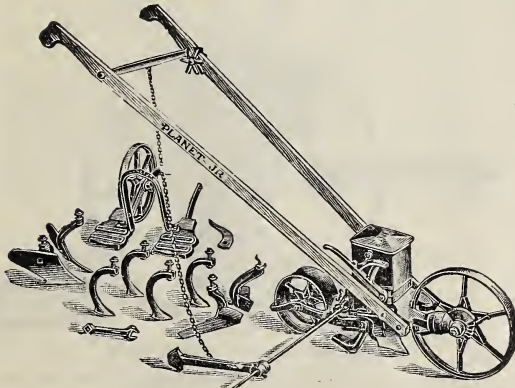
**No. 3 PLANET JR. HILL AND DRILL SEEDER**—Holds 3 quarts of seed. A favorite among onion growers, market gardeners and seedsmen. Sows accurately in a narrow line, making wheel-hoe cultivation easy.

Price, \$22.50—f. o. b. Phoenix

## No. 17 Planet Jr. Single Wheel Hoe

Light and durable—can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest and quickest way. High, easy running steel wheel. They take the drudgery out of garden work and give bigger, better crops. Last a lifetime.

Each, \$10.50—f. o. b. Phoenix



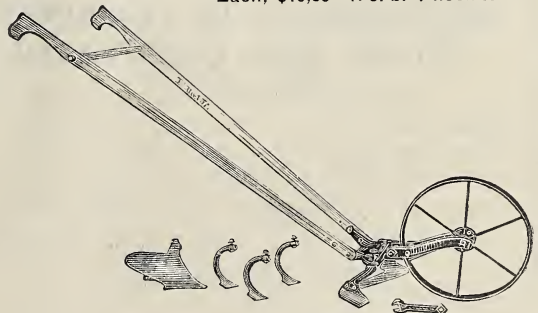
No. 25 Seeder, Hoe, Cultivator and Plow

## No. 25 Planet Jr. Combined Hill and Drill Seeder

**DOUBLE WHEEL HOE, CULTIVATOR AND PLOW**

This combined machine is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and prefer not to buy separate machines. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market.

Price, \$28.00, f. o. b. Phoenix



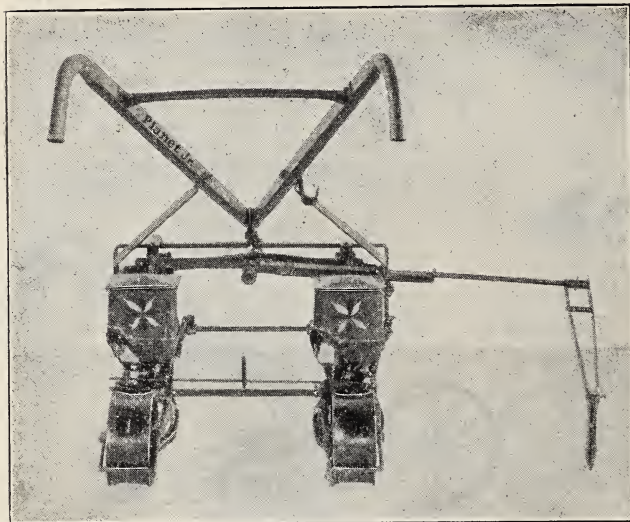
No. 17 Single Wheel Hoe

(Write for Quantity Prices on  
VEGETABLE SEEDS)

**BUY THE BEST—WE DO**



## PLANET JR. TOOLS



No. 157—Two-Row Seeder

### No. 157 Planet Jr. TWO-ROW SEEDER

This little Planet Jr. combination is particularly adapted for use when planting on beds. The best results are obtained by using a small team in the alleys with the drills between, on the bed. This has become a very popular method in Arizona for lettuce, onions, etc.

The machine works equally well with a single horse in the alleys and the drills on either side of the furrow. This arrangement has proved satisfactory.

The drills are adjustable from 10 inches to 20 inches apart, although it is not likely that the narrow distances will be used when the machine is drawn by a horse.

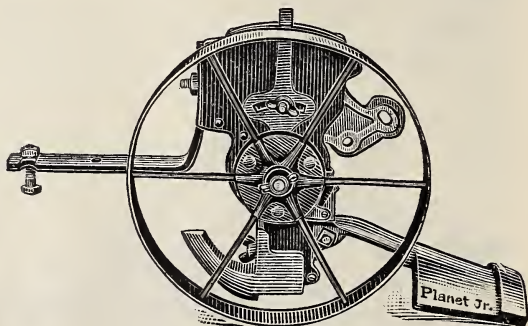
The draft of this seeder is so light that one man can push it successfully, but for all-day planting, an additional man or boy pulling on the front makes the draft a negligible quantity. Net weight 73 pounds.

Price, \$56.00—f. o. b. Phoenix

### No. 35 SEEDER ATTACHMENT

Ever since the wheelhoe replaced the old type hand hoe, there has been a demand for a seeder attachment that could be used with these wheelhoes. The No. 35 Attachment is made to take care of that demand. It can be attached to any Planet Jr. wheel hoe garden plow, with the exception of the Fire Fly Plow. Sows a 10-cent packet of seed as economically as a full hopper, in straight rows, at the proper depth and thickness, and gives you a uniform stand. This attachment is well made and will last for a great many years.

Price, \$7.50—f. o. b. Phoenix



No. 35—Seeder Attachment

### No. 11 PLANET JR. COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand cultivating tool in the world.

One pair 6-inch hoes, one pair 4½-inch hoes, four cultivator teeth, one pair plows, two 3-tooth rakes, two 5-tooth rakes, two leaf-lifters.

Steel Frame. 14-inch Steel Wheels

Price, with Attachments.....\$18.50, f. o. b. Phoenix

**BUY THE BEST—WE DO**



# PULL EASY (Adjustable) GARDEN TOOLS

Here they are! The very best buy in the catalog to this line of garden tools because they are just the tools you want to make your gardening profitable as well as a pleasure.

No. P. E. C.

## PULL EASY CULTIVATOR RAKE

This cultivator works wonders in the garden. So easy to handle and such satisfactory results. It is adjustable in width from 6 to 18 inches, adapting it to any width of row.

All adjustments can be made by hand by means of wide winged thumb nuts. The 9 teeth, pressed from high grade carbon steel, thoroughly pulverize the soil and make the finest kind of deep seed beds. Center tooth is removable so that both sides of the row may be worked at the same time. The handle is of high grade ash, 4½ feet long, beautifully finished.

No. P. E. C. Cultivator Rake, each.....\$1.50  
Shipping Weight, 5 lbs.

No. P. E. 5

## PULL EASY CULTIVATOR HOE

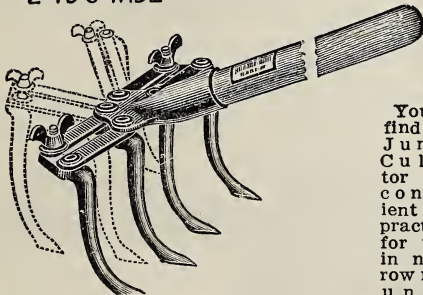
This 5-prong cultivator hoe is light, sturdy and well-balanced. It is adjustable in width from 6 to 12 inches and has a removable center tooth so as to permit cultivating both sides of the row at the same time. The teeth are longer on this than on the P. E. C., will work deeper and stand more hard usage. They are deeply channeled to give strength with extreme lightness, and convex so as to scour well. At its full width, it is also an excellent rake for preparing deep seed beds. Four-foot straight grained handle.

No. P. E. 5 Cultivator Hoe, each.....\$1.40  
Shipping Weight, 4 lbs.

No. P. E. J. 4

## PULL EASY JUNIOR CULTIVATOR

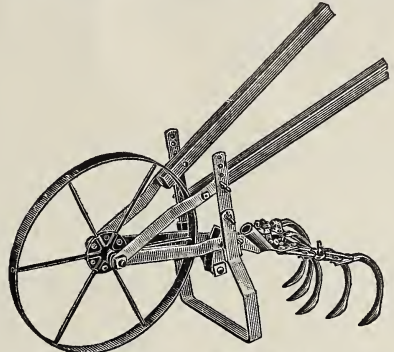
ADJUSTABLE  
2" TO 6" WIDE



You will find the Junior Cultivator very convenient and practical for work in narrow rows, under

plants, around bushes, etc. They are also very popular with women and children because they are so light, easy to handle and efficient in their work. It is equipped with 4 teeth, adjustable from 2 to 6 inches, and furnished with a 4-foot handle. This tool will give much better results in the garden than the ordinary hoe. No. P. E. J. 4 Junior Cultivator, each.....90c  
Shipping Weight, 2 lbs.

## GARDEN CULTIVATORS



### P. E. 1 CULTIVATOR

The P. E. 1 Cultivator will cultivate garden rows at any width, from 6 to 12 inches. No tools are required for the adjustments; they are made by means of wide-winged thumb nuts. Equipped with a sharp-edged Weed Cutter and an adjustable attachment, they will cut the weeds, uproot them and thoroughly pulverize the soil.

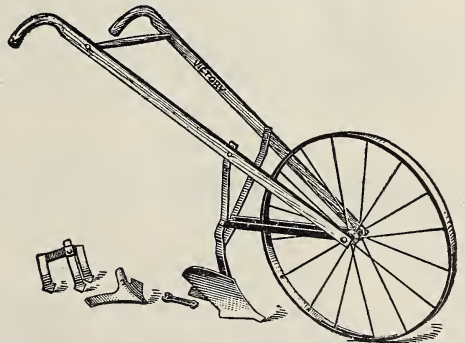
Teeth are high carbon steel. Frame and handles are adjustable in height. Cultivating attachments may be detached and used with handle as hand tools when desired. This permits cultivating flower beds and narrow corners not accessible to the wheel cultivators. Removable center tooth allows both sides of the row to be cultivated at the same time. The P. E. 1 has 5 teeth of high carbon steel, and well adapted for work in rough, cloddy soil, or for deeper cultivation.

These machines are light in weight, strong and sturdy in construction and will do all work any wheeled tool can. Weight, 12 pounds.

P. E. 1 Cultivator, each.....\$4.50

## VICTORY

### WHEEL PLOW AND CULTIVATOR

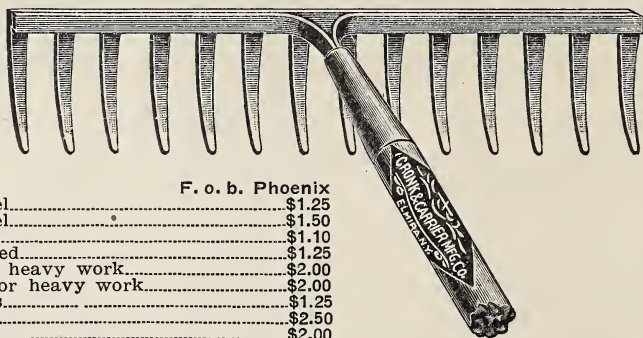
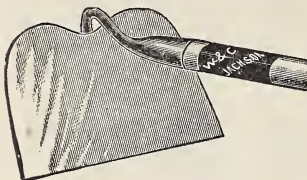


It does all the hard work—the light plowing, furrowing, covering, cultivating, and weeding—does in a few minutes what would take hours with old-fashioned tools.

It makes cultivating so easy that you can keep your soil loose and moist—in the best condition for heavy yields. Each (by express only).....\$6.00

All of the above are priced f. o. b. Phoenix. If wanted by parcel post, add postage extra, according to shipping weight.

# GARDEN TOOLS AND LAWN SUPPLIES



Garden Rake—12 tooth, best steel.....	\$1.25
Garden Rake—14 tooth, best steel.....	\$1.50
Garden Hoe—Solid shank.....	\$1.10
Warren Garden Hoe—Heart shaped.....	\$1.25
Heavy Eye Hoe—Wide blade, for heavy work.....	\$2.00
Heavy Eye Hoe—Narrow blade, for heavy work.....	\$2.00
Turf Edger—For trimming lawns.....	\$1.25
Irrigating Shovel—Best quality.....	\$2.50
Garden Spade—Short D handle.....	\$2.00
Garden Spade—Long handle.....	\$2.50
Spading Fork—Short handle.....	\$2.50
Spading Fork—Long handle.....	\$2.50
Three-piece Children's Garden Set.....	\$1.25
Post Hole Digger.....	\$3.00
Axe and Handle—Complete, best quality.....	\$3.00
Scythe and Snath—Complete.....	\$4.00
Corn Planter—Acme.....	\$2.00
Grass Hook—Very handy.....	.75
Tree Pruner—2-ft. handle.....	\$3.00 and \$4.00
Hedge Shear—9-inch blade.....	\$3.00

F. o. b. Phoenix

Pruning Shears—3 grades.....	75c, \$1.50 and \$3.00
Pruning Saw—Crescent or straight blade.....	\$1.75
Grass Shears—3 grades.....	75c, \$1.00 and \$1.50
Garden Trowels—Tin.....	.25
Garden Trowels—Heavy galvanized.....	.50
Hand Weeders.....	25c to 75c each

Postpaid

## GARDEN HOSE AND LAWN SPRINKLERS

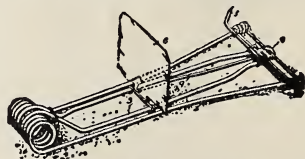
GOODYEAR GARDEN HOSE—Best Quality.

¾-inch size—25 feet.....	\$4.75
¾-inch size—50 feet.....	\$9.00

Postpaid

Crescent Lawn Spray.....	\$1.10
Large Ring Sprinkler.....	\$1.10
Baby Ring Sprinkler.....	.85
Midget Revolving Sprinkler.....	\$1.75
Thompson Fountain Spray.....	.65
Thompson Shower Spray.....	.65
Thompson Twin Spray.....	.55
Thompson Peerless Spray.....	.75
Rose Sprayer.....	\$1.00
Hose Spray Nozzle—Mystic.....	.85
Hose Spray Nozzle—Allen.....	\$1.10

## GOPHER TRAPS



MACABEE TRAPS

Made of heavy wire and spring.  
(Each, 25c), (Dozen, \$2.75).

## Galvanized Garden Trowel

No. 85. Garden Trowel. Made of a single piece of heavy galvanized steel. Handle and blade all in one piece. No wood handles to break or come off. An excellent tool at a low price.  
Each 25c, postpaid.



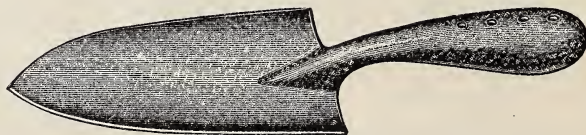
## Moe's Transplanting Trowels



No. 81. Transplanting Trowel. One piece pressed steel. Handsomely finished in black and baked enamel. Length of blade, 6 in. Width 1¼ in. Ground and polished points. Each 40c, postpaid.

## Moe's Garden Trowels

No. 80. Garden Trowel. One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 in. Ground and polished points.  
Each, 40c, postpaid.



## Moe's Steel Garden Weeders



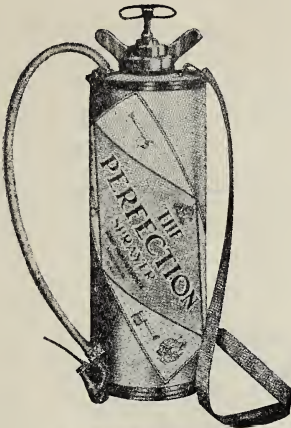
No. 82. Garden Weeder. One piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Each 35c, postpaid.

**BUY THE BEST—WE DO**

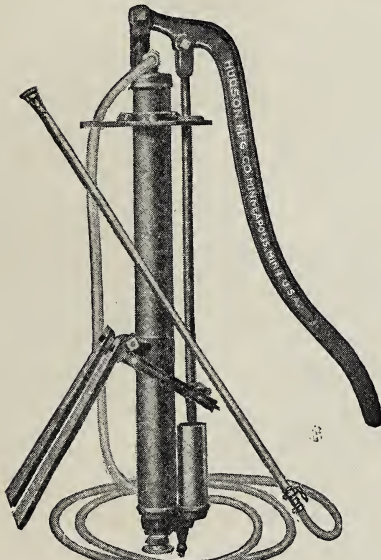
(Plant Our Giant Zinnias  
See page 57)



# SPRAY PUMPS

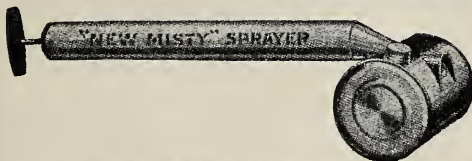


THE PERFECTION



No. 4 BARREL PUMP

No. 4 Barrel Pump—This pump is made to fit in a barrel and has ample capacity for two lines of hose. May be put on a sled or wagon. We suggest 20 feet of hose for each line of Fog Nozzles. Complete with hose, extension rods, shut-off and nozzle, ready for use, \$24.00, f.o.b Phoenix.



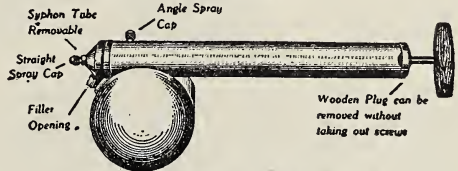
New Misty Sprayer—A general purpose sprayer for farm, stable or garden uses. Handles fly-oils, bug poisons and disinfectants. Has large, powerful pump. Lock sealed can. Made of heavy tin. Tank 4x4½ inches. Length over all, 21 inches. Holds one quart. Price each, 85c, postpaid.

(Insure your crops by early spraying. See Insecticides, . . . . Page 81)

## PERFECTION PUMP

This is one of the best all-purpose pumps made. Hundreds of them are in use in the Salt River Valley for garden spraying, white-washing, coop disinfecting and many other things. For spraying in the garden we suggest the Perfection, including the extension rod attachment. This enables the operator to spray the underneath side of leaves in melons, etc. Rose bushes and small fruit trees may be sprayed with the Perfection and for all-around garden use it will pay for itself in one season. It is equipped with four feet of hose and a three-foot extension rod with angle or straight nozzle.

(Price \$8.50, f. o. b. Phoenix).

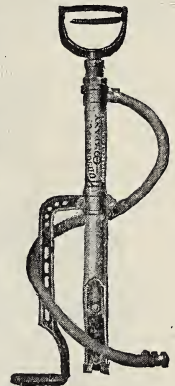


CONTINUOUS ATOMIZER—This pump operates continuously on the up and down stroke and throws a fine, misty spray. Will handle all solutions of insecticides and disinfectants. Capacity, 1 quart. (Each \$1.25), postpaid.

## "MODOC" BUCKET PUMP

The cylinder or barrel is very large size and is made of heavy brass tubing. The plunger, also made of brass tubing, extends the full length of the pump inside the barrel. The plunger is hollow, forming the air chamber, which insures a steady flow of liquid and largely increases the pump's capacity. The pump is equipped with 3 feet of ½-inch five-ty pressure spray hose attached with clamps. This pump will throw a straight stream, handle whitewash and other spray liquids with the same nozzle, by simply turning the disc in nozzle. Guaranteed to have a larger capacity than any similar pump.

Price each \$5.50, f. o. b. Phoenix.



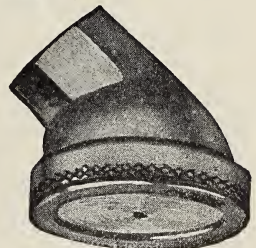
## FAVORITE

FAVORITE—A compressed air sprayer very similar to the Perfection, except that it is smaller, having but 3½-gallon capacity. This pump is not equipped with extension rod. Excellent for use in disinfecting chicken coops and spraying a small garden or rose bushes.

Price \$7.00, f. o. b. Phoenix.

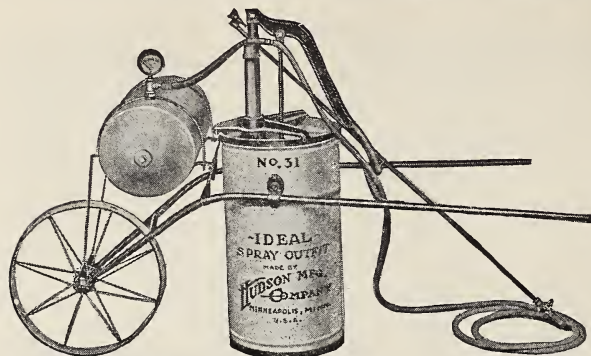
## FOG NOZZLE

Fog Nozzle — For use on the Perfection or any power pump. As its name indicates, it produces a fog spray; ¼-inch connection. Angle or straight. (Each \$1.00, postpaid.)



BUY THE BEST—WE DO

# SPRAY PUMPS AND DUSTERS



**IDEAL OUTFIT No. 31**

This outfit is light, compact and easy to operate. The tank holds fifteen gallons, is mounted so that the liquid will not slop or spill, and in a way that makes it easy to handle. The pump spreads across the top of the tank and is held firmly in place by a thumb nut. It has the largest air chamber of any spray pump of corresponding size. This enables the operator to keep a uniform pressure at the nozzle.

Price \$48.00, f. o. b. Phoenix.

## GARDEN HOSE

**WINGFOOT**—Guaranteed 2 years:  $\frac{3}{4}$ -inch couplings. (25 ft. \$4.75), (50 ft. \$9.00).

## SPRAY HOSE

$\frac{3}{8}$ -inch

We have the special Good-Year moulded spray hose which will stand the high pressure necessary. Can supply this in any length. It doesn't pay to buy cheap spray hose.

Price per foot, 25c.

## INSECT POWDER GUNS



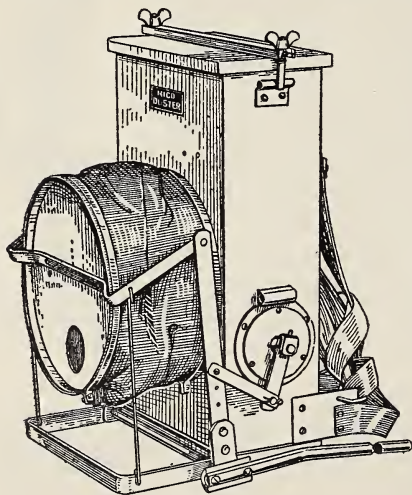
Small—  
Hold 1 oz.  
25c

postpaid

Large—  
Holds 4 oz.  
50c

postpaid

# DUSTING MACHINES



## NICO DUSTER

### THE IMPROVED POWDER DUSTER

It is easily recognized as the best powder duster on the market. The absence of all cogs and wheels insure it against breakage through hard usage. If you have from 1 to 100 acres of melons or vine crop to dust, it will pay you to use this Duster.

No. 3—Price complete, with extension pipe, as shown above, \$18.50, f. o. b. Phoenix.

No. 1—Smaller capacity than No. 3, \$12.50, f. o. b. Phoenix.



Dusting with the NICO GARDEN DUSTER. Quick, Clean and Easy to Apply—One Needed in Every Home

There is scarcely an urban or suburban home that does not pride itself of at least two or three small fruit trees or vegetable or flower garden. You are aware that it is impossible to raise quality produce without using the proper insecticide.

Nico Garden Dust and Dusters are very effective against the common pests which destroy the home gardens.

Nico Garden Duster, \$1.00 each—postpaid, \$1.10.

**BUY THE BEST—WE DO**

(Plant our Select Melon Seed See pages 23 to 28 )



# INSECTICIDES AND POISONS

Poisons cannot be sent by mail.

**POISON MIXTURES**—We will furnish on request formulas for any mixtures desired in combating insects and plant diseases. Write us fully regarding any difficulty you may be having and we will give you expert advice.



## NICO DUST

**INSURE YOUR CROPS** with the intelligent use of NICO DUST. NICO DUST is a dry powder which, applied with a blower, affords a material saving in time, labor and expense. A trial will convince you that it is both effective and economical. Our best recommendation is the hundreds of repeat orders we received last season for use in combatting Aphis on melon vines.

### GENERAL DIRECTIONS FOR APPLYING

Do not wait until the pests become abundant because by that time great damage has been done. Get a good dusting machine and dust the plants thoroughly. Apply direct to infected portions of the plants. "NICO DUST" products are most powerful in warm, bright sunshine and should be applied when the air is still or disturbed only by a slight breeze. Dusting in the early morning gives the best results.

It is an extremely fine dust, and has greater power of penetration than the liquid spray. It gives off a strong nicotine gas or vapor which kills insects even when none of the dust actually reaches them. It is made especially to exterminate insects such as cabbage aphis, melon aphis, grape leaf hoppers, onion thrip, citrus thrip, and all plant lice.

NICO DUST is made in three strengths. Order by number and specify what pest you wish to combat.

**DUSTING WITH A NICO DUSTER**  
NICO DUST No. 5 contains 5% Nicotine. (5-lb. lb. drum, \$18.00).  
NICO DUST No. 6 contains 6% Nicotine. (5-lb. drum, \$21.00).  
NICO DUST No. 10 contains 10% Nicotine—Very effective.. (5-lb. package, \$2.25), (25-lb. drum, \$8.50), (100-lb. drum, \$29.00).

package \$1.60), (25-lb. steel drum, \$5.50), (100-lb. package, \$1.85), (25-lb. drum, \$6.00), (100-lb. package, \$2.25), (25-lb. drum, \$8.50), (100-lb. drum, \$29.00).

### ABOVE PRICES ALL F.O.B. PHOENIX INSECTICIDE POISONS CANNOT BE SENT BY MAIL

**NICO GARDEN DUST**—Put up especially for the family garden for use on vegetables, small fruits, rose bushes, all vines and flowers, where there is a variety of pests to contend with, such as aphis, leaf hopper, red spider, etc. 1/2-lb. package, with sifter top, 50c, postpaid.

**CARBON BI-SULPHIDE**—Used to exterminate ants, gophers and weevil. Cannot be sent by mail. Packed for express, (Pint, 50c), (quart, 85c), (gallon, \$2.50).

**ARSENATE OF LEAD**—The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. (Lb. can, 50c), (4-lb. pkg., \$1.75).

**FISH OIL SOAP**—When used in connection with nicotine solutions it better enables the spray to stick to the foliage. (Lb. 25c), (10 lbs. \$2.00).

### SHERWIN WILLIAMS FUNGI - BORDO (Bordeaux Mixture)

In powdered form, mixes perfectly with cold water. For peach, tomato and potato blight and all fungus diseases. Prevents and cures mildew on roses, peas, beans, grapes, etc.

Directions: Use seven to nine pounds to 50 gallons of water. Or seven to eight table-spoonfuls to one gallon of water. (1 lb. 50c), (5 lbs. \$2.25). Write for quantity price. Cannot be sent by mail.

**BLACK LEAF 40**—A solution of nicotine sulphate containing 40 per cent nicotine. The most highly recommended spray for soft-bodied sucking insects, such as plant lice, thrips, leaf hoppers. (Small bottle, 35c), (1/2-lb., \$1.25), (2-lb., \$3.50), (10-lb., \$13.50), by express or freight.

**LONDON PURPLE**—Thousands of pounds of London Purple are used each year for the destruction of ants. Dust a small quantity on the hill each time ants are seen to be operating and they will soon be exterminated. (1-lb. can, 60c), 5 lbs. \$2.50), (10 lbs. \$4.50).

**PARIS GREEN**—The old reliable destroyer of all chewing insects, such as potato bugs, codling moth caterpillars, etc. (1/4-lb. 25c), (1-lb. 90c), (5 lbs. \$3.75).

**BLACK STRAP**—For use in preparing a poison for grasshoppers and cut worms. (Gallon, \$1.00).

**SULPHUR**—(Powdered)—(Lb. 15c), (10 lbs. \$1.25).

**TOBACCO DUST**—For green and black fly, plant lice, etc. Apply when foliage is moist. (Lb. 25c).

**GOPHER BANE**—A very effective poisoned grain for gophers, field mice, etc. (Pkg. 50c),



## Tree Tanglefoot SAVE YOUR TREES

For protecting trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle; 1 pound will spread 8 feet long by 5 inches wide, 1-16 inches thick. Will stay on the trees three months. (1-lb. cans, 60c; 5-lb. cans, \$2.50; 10-lb. cans, \$4.75; 20-lb. cans, \$9.00). Mailable. Postage extra.

Write for free circular on Tanglefoot.



## Roaches and Ants

If you are troubled with these pests, you want a safe, sure means to get rid of them. There is nothing better for this purpose than

### TANGLEFOOT ROACH AND ANT POWDER.

We guarantee our Powder absolutely to KILL Roaches and Ants when used according to the simple directions appearing on the cans.

2-ounce Can.....	15c, postpaid
½-lb. Can .....	35c, postpaid
1-lb. Can .....	60c, postpaid

## FERTILIZERS



### ODORLESS—CLEAN—EFFICIENT

No Filler—No Bulk—All Fertilizer

BEST MONEY CAN BUY  
BEST EARTH CAN PRODUCE

For Lawns, Flowers, Gardens, Shrubs, House Plants, Fields and Orchards

Book FREE—Tells just HOW

A 25-lb. bag covers a lawn space of 1200 square feet. Lasts a year or more.

A tablespoonful to hill of potatoes, tomatoes or ordinary rose bush means abundant flowers, crisp and early vegetables.

A teaspoonful for 6 to 8-inch potted plant. Ferns love it.

(2-lb. pkg., 50c), (25 lbs. in cotton bag, \$3.00).

### FISH MEAL

A highly concentrated material composed of dried fish scrap. It is highly recommended by many gardeners as being ideal for lawn and garden growth. It is practically all available plant food and lasts a long time. (100 lbs., \$8.00; 50 lbs., \$4.50; 25 lbs., \$2.75; 5 lbs., 60c).

### NITRATE OF SODA

Contains about 15 per cent nitrogen. It is a very quick acting fertilizer and best applied after plants are growing. Successfully used in forcing large flowers and beautiful green foliage. Apply in liquid form at the rate of ½ oz. to 1 gallon of water.

(Lb. 15c), (10 lbs. \$1.00).

### BONE MEAL FERTILIZER

White steamed, a finely ground material of high quality, useful for all crops, but especially for grass lands, fruit trees and flower beds.

(Lb. 10c), (5 lbs. 50c), (10 lbs. 80c), (100 lbs. \$6.00).

### BLOOD MEAL

Pure Dried Blood—This is a highly nitrogenous fertilizer, rich in plant food and an excellent material for increased growth and a profusion of flowers and fruit.

(Lb. 15c), (5 lbs. 65c), (10 lbs. \$1.25), 25 lbs. \$3.00, (100 lbs. \$10.00).

### GYP SUM

A very high grade material, useful for correcting black alkali, loosening the heaviness of adobe and other heavy soils.

(10 lbs. 50c), (25 lbs. \$1.25), (50 lbs. \$2.00), (100 lbs. \$4.00).

### HYDRATED LIME

Used to correct any acid conditions existing in the soil.

(Lb. 10c), (5 lbs. 30c), (10 lbs. 50c).

Add postage to above prices on Fertilizer when wanted by Parcel Post.

Write for Quantity Prices on Fertilizers.

**BUY THE BEST—WE DO**

(If Ants or Caterpillars are ruining your Trees—TANGLEFOOT will stop them)





## CALCIUM CYANIDE - FLAKES

Used Extensively the past season for killing ants. Very effective and economical

1-lb. Pkg. ....	\$ .50	25-lb. Drum .....	\$ 6.50
5-lb. Can .....	1.50	100-lb. Drum .....	20.00

F. o. b. Phoenix. Cannot be mailed.

### DIRECTIONS FOR KILLING ANTS WITH CACIUM CYANIDE

There are several effective methods for using this product, as follows:

#### TEMPORARY REPRESSION:

Place a tablespoonful of the CYANIDE in a small three-inch circle around the ant hole so that the ants will fall dead as they crawl over the poison in trying to get into their hole. Follow up the first treatment every 5 or 10 days to get the eggs as fast as they hatch out until it is certain that no more ants are left.

#### PERMANENT EXTERMINATION:

Locate all active ant hills either early in the morning or late in the evening, as the ants are most active and easily observed at these periods. Place a stake at each active hole so located. Then wait until the warmer part of the day when the ants are all in their holes. Then take a shovel and carefully dig into each hill, following out each lateral, and sprinkle the CYANIDE on the ants and on all eggs. Then place the dirt on top of the ants and eggs so treated. The gas from the CYANIDE will penetrate all through the loose earth that you have spaded up and will kill ants even some distance away from where you actually place the poison, but it is important to dig to the extreme end of each lateral and thoroughly treat the entire system.

#### ANOTHER TEMPORARY METHOD OF USING THE CYANIDE IS AS FOLLOWS:

When all ants are in the hill, place a tablespoonful of the flakes in a pint of water. Stir thoroughly and pour the solution down the hole. Repeat every ten days until all ants are killed.

#### IMPORTANT:

Open cans only outdoors in the fresh air and avoid breathing the gas, as it is very poisonous. Wash hands after working with CYANIDE. Keep cover on tight except when removing contents, as the contents will lose killing power if exposed to the air for too long a period. The use of CYANIDE leaves a white appearing deposit around the ant hole which might be licked by the livestock if they thought it was salt. It would be well to cover your work with earth if livestock is present.

Headquarters for all kinds of Insecticide Spray and Dusting Materials,  
Spray Pumps and Dusting Machines

BUY THE BEST—WE DO

# DOG AND CAT REMEDIES AND SUPPLIES

## THEY FIGHT FOR SPRATT'S



A DOG LIKES A CHANGE IN DIET AS WELL AS A HUMAN. ALL DOGS LIKE SPRATT'S OVALS. SPRATT'S FIBO IS A GRANULATED FOOD AND MIXES READILY WITH TABLE SCRAPS. ALL DOGS EAT AND THRIVE ON FIBO.

### SPRATT'S DOG FOODS

(CARTONS)

DOG CAKES	Net weight	2 lbs. 13 oz.—	Shipping weight	4 lbs.—	40c each
PUPPY CAKES	" "	2 lbs. 4 oz.—	" "	4 lbs.—	45c each
OVALS, medium pkg.	" "	1 lb. 15 oz.—	" "	3 lbs.—	40c each
OVALS, large pkg.	" "	4 lbs.—	" "	5 lbs.—	80c each
FIBO, (granulated)	" "	2 lbs. 4 oz.—	" "	4 lbs.—	45c each
CHARCOAL CAKES	" "	1 lb. 15 oz.—	" "	3 lbs.—	45c each
COD LIVER OIL CAKES	" "	2 lbs. 6 oz.—	" "	4 lbs.—	45c each

(Postage extra as per shipping weight)



### SPRATT'S DOG FOODS (IN BULK)

(BUY IN BULK AND SAVE MONEY)

#### SPRATT'S DOG CAKES (bulk)

1 lb.	20c
5 lb.	85c
10 lb.	\$ 1.60
25 lb.	3.45
50 lb.	6.75
100 lb.	13.25

#### SPRATT'S OVALS (bulk)

1 lb.	\$ .25
5 lb.	.90
10 lb.	1.70
25 lb.	3.70
50 lb.	7.25
100 lb.	14.25

#### SPRATT'S FIBO (bulk) (granulated)

1 lb.	\$ .25
5 lb.	1.00
10 lb.	1.80
25 lb.	3.95
50 lb.	7.75
100 lb.	15.25

(Add postage—See zone rates)

### SPRATT'S CAT FOODS

Cat Food, plain, pkg.	.45
Cat Food, with fish, pkg.	.45
Cat Food, with milk, pkg.	.45

(Add postage for 3 lbs.)

(Small packages, 25c),

(Add postage for 2 lbs.)

### BENNETT'S MALTOID MILK BONE DOG BISCUITS

A scientifically compounded and perfectly balanced ration composed of all the good things which a dog enjoys.

Maltoid Dog Bone Biscuits	Pkg.	.45
Maltoid Puppy Bone Biscuits	Pkg.	.45

(Postage extra for 3 lbs.)

### SPECIALTY FOODS FOR PUPPIES

Spratt's Plain Puppy Meal	.45
Spratt's Orphan Puppy Food	.65
Spratt's Puppiac (milk) 10 oz.	.50
" " 1 1/2-lb.	1.00
Spratt's Malted Puppy Food	.40
Pepsinated Puppy Meal (small)	.40
" " (large)	.80

(Add 10c postage)

**BUY THE BEST—WE DO**

(Raise strong, healthy chicks with Blatchford's Chick Mash. See page 70)



# DOG AND CAT REMEDIES AND SUPPLIES

## SPRATT'S DOG REMEDIES

		Post- paid
Alternative Cooling Tablets.....	\$.50	\$.55
Anti-Rickets Tablets.....	.50	.55
Anti-Asthmatic Tablets.....	.50	.55
Anti-Vomit Tablets.....	.50	.55
Bone Builder.....	.75	.85
Chorea Tablets.....	.50	.55
Constipation Tablets.....	.50	.55
Consumption.....	.50	.55
Diarrhoea Tablets.....	.50	.55
Digestive Tablets.....	.50	.55
Distemper Tablets.....	.75	.80
Ear Canker Ointment.....	.50	.55
Eczema and Mange Ointment.....	.50	.55
Eye Lotion.....	.50	.55
Hair Stimulant.....	.50	.55
Kidney Tablets.....	.50	.55
Liniment.....	.50	.55
Liver Tablets.....	.50	.55
Pneumonia Tablets.....	.50	.55
Puppy Distemper Tablets.....	.75	.80
Puppy Tonic and Condition.....	.50	.55
Purgative Tablets.....	.50	.55
Rheumatism Tablets.....	.50	.55
Tonic and Condition Tablets.....	.50	.55
Worm Capsules, for Dogs.....	.50	.55
Worm Capsules, for Puppies.....	.50	.55

## SPRATT'S CAT REMEDIES

		Post- paid
Distemper.....	\$.75	\$.80
Cat Worm Capsules.....	.50	.55
Cat Tonic and Condition.....	.50	.55
Cat Purgative.....	.50	.55

## SPRATT'S SOAPS FOR DOGS

		Post- paid
White Dog Soap.....	\$.25	\$.30
Antiseptic Soap.....	.50	.55

## SPRATT'S CELEBRATED COMBS

	for Dogs and Cats	Postpaid
No. 0 Comb (flea).....		\$1.50
No. 7 " " (double).....		1.75
No. 8 " " (short).....		1.25
No. 4 " (coarse).....		1.50

## PEDIGREE BLANKS

	(Dogs and Cats)	Postpaid
Spratt's Dog.....		3c each
Spratt's Cat.....		3c each
25c per dozen		

## CLAYTON'S DOG REMEDIES



BOOK ON DOG DISEASES-AND HOW TO FEED-FREE

## CLAYTON'S CAT REMEDIES

### A TREATISE ON THE CAT

By George Clayton

		Post- paid
Blood Purifying and Cooling Tablets, for all blood diseases, mange, eczema, etc.....	\$.50	\$.55
Canker Lotion Tablets. For all diseases of the ear.....	.50	.55
Cough Remedy, for Coughs.....	.50	.55
Diarrhoea Tablets.....	.50	.55
Digestive Tablets. For all stomach disorders, for vomiting.....	.50	.55
Distemperine and Distemperine Tablets. For Distemper.....	.50	.55
Eye Lotion Tablets. For diseases of the eyes.....	.50	.55
Fit Tablets. For fits.....	.50	.55
Laxative Tablets. Acts directly on the liver and secretions.....	.50	.55
Mange Remedy. For all forms of skin disease. (Cannot be mailed).....	.75	
Mouth Wash. For all ulcerated conditions of the mouth.....	.50	.60
Soap—Kilflea.....	.35	
Tape Worm Expeller Tablets. Will expel the tape worm.....	.50	.55
Tonic Catnip Condition Tablets.....	.50	.55
Vermifuge (liquid).....	.50	.55
Wash and Disinfectant. Kills fleas, disinfects.....	.50	.55
Worm Tablets. Will expel worms.....	.50	.55

**CATNIP MICE**—Their object is to afford amusement to and benefit the health of cats. In endeavoring to catch the catnip it induces the cat to exercise. If you value kitty's health, give it a Catnip Mouse. (Each, 15c), postpaid.

**LOOSE CATNIP**—(Package 20c), postpaid.

		Post- paid
Blood Purifying Pills.....	\$.50	\$.55
Condition Pills, with Pepsin.....	.50	.55
Canker Lotion.....	.50	.55
Canker Lotion (Tablets).....	.50	.55
Cough Cure.....	.50	.55
Ceoline Dog Wash.....	.50	.55
Ceoline Dog Soap.....	.25	.30
Condition Pills, with Pepsin.....	.50	.55
Distemperine.....	.50	.55
Distemperine Tablets.....	.50	.55
Digestive Tablets.....	.50	.55
Diarrhoea Cure.....	.50	.55
Diarrhoea Cure (Tablets).....	.50	.55
Dog Soap—Kilflea.....	.25	.30
Eye Lotion.....	.50	.55
Eye Lotion (Tablets).....	.50	.55
Fit Cure.....	.50	.55
Fit Cure Tablets.....	.50	.55
Goitre Cure.....	1.00	1.05
Hair Tonic.....	.50	.55
Kilflea Soap.....	.50	.55
Kilflea Powder.....	.35	.40
Laxative Pills.....	.50	.55
Mange Cure (Cannot be mailed).....	.75	
Mange or Spin Cure (Cannot be mailed).....	.60	
Puppy Tonic.....	.50	.55
Rheumatic Tablets.....	.50	.55
Shampoo.....	.30	.35
Sulphur Tablets.....	.50	.55
Tape Worm Expeller.....	.50	.55
Vermifuge (Liquid).....	.50	.55
Vermifuge (soft capsules).....	.50	.55
Worm Pills.....	.50	.55

# BIRD FOODS, REMEDIES AND SUPPLIES

## BIRD FOODS

Prices Subject to Change

<b>"DEPENDABLE GRADE" BIRD SEED MIXTURE</b> —Our best grade, such as we feed. 1-lb. cartons, 30c; 10 lbs., bulk.....		\$2.00
CANARY, Imported—Recleaned. 1 lb., 30c; 10 lbs.....		2.00
HEMP, Imported—1 lb., 25c; 10 lbs.....		1.75
BIRD RAPE—Imported Essex. 1 lb., 25c; 10 lbs.....		1.75
MILLET—Large, yellow. 1 lb., 20c; 10 lbs.....		1.50
SUNFLOWER SEED—Recleaned for parrots. Lb., 25c; 10 lbs.....		2.00

(Above prices postpaid)

## Philadelphia Bird Co. Feeds and Remedies

BIRD BITTERS—A tonic for any Cage Bird, bottle.....	.30
RED GRAVEL—All birds need gravel strewn in the bottom of the cage. Per package, postpaid.....	.30
SILVER GRAVEL.....	.30
ORANGE COLOR FOOD—To be fed during the moulting season. It darkens the feathers a beautiful orange color. Pkg.....	.30
MOCKING BIRD FOOD.....	.30
PARROT TABLETS—For Polly's ailments.....	.30
MITE POWDER—May be used for any cage birds. Package.....	.30
MOULTING PEPPER—For the moulting season.....	.30
NESTLING FOOD—For the baby birds.....	.30
MERICAN SALVE—For swollen and sore legs.....	.30
CUTTLE BONE—To sharpen the bill.....	.10
FISH FOOD—Per package, postpaid.....	.20
NESTLING HAIR—Makes a comfortable nest.....	.15

(Above prices postpaid)



BIRD MANNA

For the basis of this preparation we are indebted to the canary breeders of the Hartz Mountains. They use a paste that keeps their birds in health and song and cures nearly all diseases. Bird Manna is now more widely known than any article ever prepared by bird dealers, solely upon making its merits known and having been tested. Bird Manna is put up in metal cases, secured by letters patent and is fastened to the cage wires, within easy reach of the bird.. Price, 15c each.

## Spratt's Remedies, Bird Specialties, Etc.

CANARYDYNE—An invaluable remedy in the treatment of colds and asthma. A few drops of Canarydyne given when the first symptoms of a cold are noticed usually results in a cure.....	.30
SPRATT'S POLLCRACKERS.....	.30
SPRATT'S PARROT TONIC.....	.30
SPRATT'S COD LIVER OIL CAGE BIRD FOOD.....	.30
SPRATT'S BIRD LICE DESTROYER—(Henning's). For dusting the feathers..	.30
SPRATT'S PARROT FOOD. A mixed food for parrots which should be kept before them all the time. Cartons, each.....	.30
SPRATT'S EGG & FRUIT MIXTURE.....	.30
SPRATT'S CANARY LEG BANDS. Doz....	.50
DEFIANCE MOCKING BIRD FOOD—The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks and other soft-billed birds. Per tin.....	.50
ANT'S EGGS.....	.25
BIRD NESTING HAIR.....	.15
BIRD TONIC. (large).....	.30
BIRD TONIC. (small).....	.20
COLOR FOOD, (Red).....	.30
COLOR FOOD, (Orange).....	.30
SONG RESTORER.....	.25
ZEKE (Dried Files).....	.20

(Above prices postpaid)

## CANARY BIRDS

Ask for Our BIRD BOOKLET

We can supply at all times good Canary Singers that are trained from King Bird Rollers. These vary in color and range in price from \$10.00 to \$25.00. We absolutely guarantee our birds and purchasers may within a reasonable length of time exchange any birds that is not satisfactory. Female Canaries, \$2.00 to \$3.50, depending on color, breed, etc.

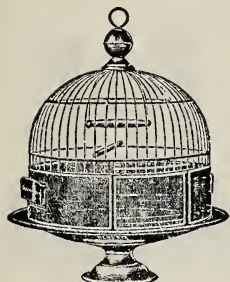
**BUY THE BEST—WE DO**

(We are headquarters for Pet Stock)



# BIRD CAGES

The prices on Bird Cages are f. o. b. Phoenix. If wanted by mail, add 25c for postage



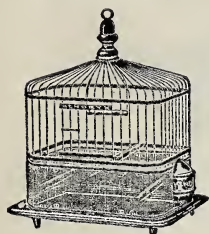
No. 674—Round brass and a very attractive cage. We can supply this cage with or without the brass screen guard which is used to prevent seed being thrown out of the cage.

Price, with Guard  
3 Sizes  
\$7.50, \$8.50 and \$9.50



No. 61½—This style cage comes in white enamel, ivory or japanned. It is substantially built and is very attractive, being equipped with guard and opal drinking cup.

Prices  
White Enameled.....\$5.00 to \$8.00  
Ivory.....\$5.00 to \$8.00  
Japanned.....\$4.00 to \$7.00

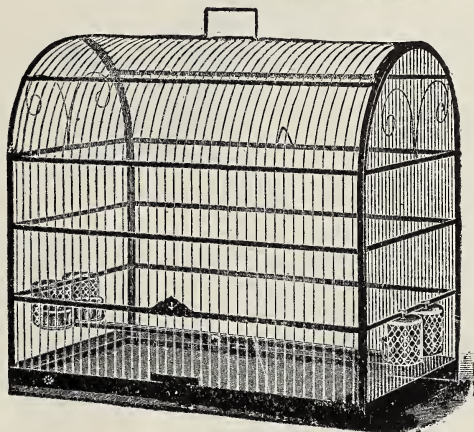
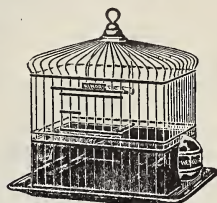


No. 265—A special japanned cage. Oblong, with glass cups. This is a good cage at a low price. Is neat, attractive and durable.

Price (without Guard)  
.....\$3.00 to \$6.00

No. 231—Special brass cage, with or without the screen guards. This cage is indeed an ornament in any home and one that you will be proud to show to your friends.

Price (with guard)  
.....\$5.00 to \$8.00  
(without guard)  
.....\$4.00 to \$7.00



## OBLONG CAGES

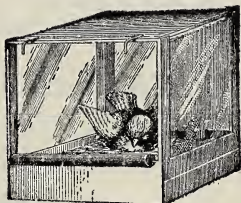
For Canaries, Mocking Birds and Robins. These cages are all-metal and are thoroughly enameled, so that they are absolutely vermin-proof. They have a drawer base that may be pulled out to clean the cage. We stock three sizes. Prices:

No. 82 (about 16 inches long).....\$6.50  
No. 84 (about 20 inches long).....\$9.50

## BIRD BATH HOUSE

To attach to the cage, allowing the bird to bathe every day; 3 sides glass.

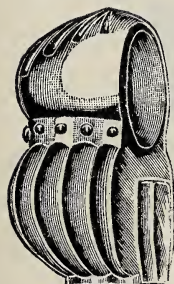
(Each \$1.25).



## SHELL FEED AND WATER CUPS

The Shell Cup shown here can be used for either food or water. Made to fit any cage and is easily detachable. It is clean, sanitary and prevents birds from wasting food.

Postpaid  
Shell Cup in Crystal.. 25c  
Shell Cup in Opal..... 30c



## CANARY BATHS

These are of porcelain construction and will last indefinitely. Ideal for use as an open bath in a warm room. Two sizes.

Opal, each, postpaid..... 30c



CAGE BRACKETS—Heavy brass..... .60  
CAGE BRACKETS—Light brass..... .30

## CAGE SPRINGS

Medium weight .... .40  
Light weight..... .30

## DOUBLE CAGE SPRINGS

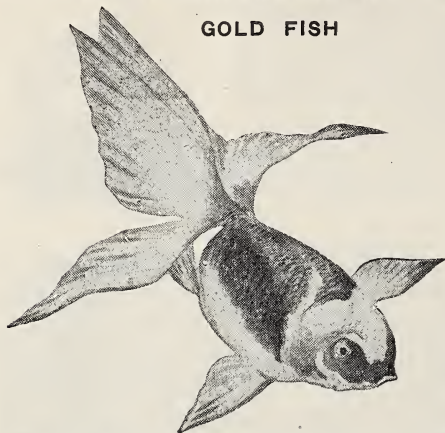
This spring is for extra heavy cages and is so constructed that it prevents cages from swinging around.

Price, each,.....60  
Postpaid



# GOLD FISH AND SUPPLIES

Listings on this page are f. o. b. Phoenix and should go by express only. In ordering Aquarium Ornaments, please state the size of your fish bowl.



**GOLD FISH**

**GOLD FISH**—Our first shipment of Gold Fish arrives about October 1st, and we have a variety from that time until February or March. We can make express shipments of two or more fish. In ordering please include 35c to cover cost of container and packing.

**JAPANESE COMETS**—About three inches long. (Each \$1.00).

**STRAIGHTTAIL**—From 35c to \$1.00 each, according to size.

## FISH FOOD

Contains everything that is good for Aquaria Fish. (Per package. 15c), postpaid.

**SPRATT'S AQUARIUM FISH FOOD**..... 15c

## DIP NETS

Gold Fish should not be handled with the hands. A Dip Net will handle them gently. (Each 50c).

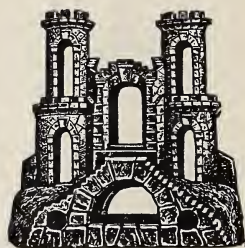
## FISH MOSS

This pretty and popular plant is the best known oxygen producer. (Per bunch 35c).

## FISH CASTLES

Very  
Ornamental

No. 596.....	\$ .35
No. 629.....	.35
No. 602.....	.35
No. 466.....	.50
No. 575.....	.50
No. 576.....	.65
No. 616.....	.75
No. 583.....	1.25
No. 455.....	1.00
No. 560.....	2.50



No. 583—\$1.25

Order by number and add 10c if wanted by parcel post.

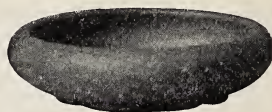
## FISH BOWLS

Made from bright, clear glass.  
(Prices include packing for shipment)

1/4-gallon size.....	Each \$0.60
1/2-gallon size.....	" 1.00
1-gallon size.....	" 1.50
1 1/2-gallon size.....	" 2.50
2-gallon size.....	" 3.00

F. O. B. Phoenix.

## LILY BOWL

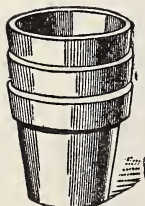


Suitable for Chinese Lily or Paper White bulbs, also as a cut flower table decoration when flower stand is used in connection. These bowls are in green finish and are very decorative. (5-Inch, 40c; 6-Inch, 75c; 8-Inch, \$1.10; 10-Inch, \$1.75), postage or express extra.

**GLASS FLOWER HOLDER**—For any of the above bowls. (Small size, 35c; medium, 50c; large size, 75c and \$1.00).

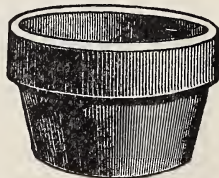
# FLOWER POTS AND HANGING BASKETS

All Crockery F. O. B. Phoenix



## FLOWER POTS

	Each	Doz.
4-inch.....	\$ .10	\$1.00
5-inch.....	.15	1.50
6-inch.....	.25	2.00
8-inch.....	.50	.....
10-inch.....	1.00	.....



## BULB POTS

	Each	Doz.
5-inch.....	\$ .15	\$1.50
6-inch.....	.25	2.00
7-inch.....	.40	3.00

## SAUCERS

	Each	Doz.
4-inch.....	\$ .05	\$ .50
5-inch.....	.10	1.00
6-inch.....	.15	1.50
7-inch.....	.20	1.75
8-inch.....	.30	.....



## HANGING BASKETS



Earthenware Hanging Baskets are especially desirable for Sprengerii Ferns. They are very ornamental and a hanging wire with hook is furnished with each basket. (8-Inch, \$1.00; 10-Inch, \$1.50; 12-Inch, \$2.25). By express or freight.

## WIRE HANGING BASKETS

For Asparagus Ferns, Oxalis or other trailing plants. (8-Inch, 50c; 10-Inch, 65c; 12-Inch, 75c; 14-Inch, \$1.00). Moss for lining wire baskets, per Lb., 50c).

**BUY THE BEST—WE DO**

(Tell your friends to  
Write for our Catalog)



# Conkey's NOX-I-CIDE

## DIP AND DISINFECTANT



Every poultry yard, farm, home, factory, stable, store, office building—in fact, every place where sanitation is necessary to health—needs Conkey's Nox-i-cide every day in the year.

For poultrymen, Conkey's Nox-i-cide has a large variety of uses as a disinfectant and germicide. It is approved by poultry experts everywhere.

For spraying during the "weekly clean-up," as a preventive of disease and a help in keeping down red mites, ticks, blue bugs, etc., Conkey's Nox-i-cide is practically unexcelled. In fact, some poultrymen declare it to be indispensable, since proper sanitary conditions are the very foundation of successful poultry operations. In addition, Conkey's Nox-i-cide is very effective for washing incubators, brooders, fountains and other utensils.

Conkey's Nox-i-cide is also widely used and highly recommended as a dip for hogs, sheep, cattle and other animals. Swine owners are generous in their praise of Conkey's Nox-i-cide for fighting hog lice, both as a dip and as a disinfectant for wallows, houses and general uses.

Try Conkey's Nox-i-cide for household uses—for assisting in driving out ants, destroying odors, routing out bedbugs and cockroaches, for making sinks, cess-pools, garbage containers, etc., sanitary and safe.

A money-back guarantee covers Conkey's Nox-i-cide as well as all other Conkey products. Take a can home and if you are not satisfied we will refund your money.

**Cans: Pint 50c; Quart 80c; ½ Gallon \$1.30; Gallon \$2.00; 5 Gallons \$9.50; 10 Gallons \$18.00. Parcel post, express or freight charges extra.**

Ask for Prices on Sprayers



### Conkey's Sorehead Remedy

For dangerous, contagious sore-head or chicken pox, pigeon pox, warts and pian. Attacks the trouble from two angles—a powder for the blood and a salve for the sores.

**Packages: 30c, 60c; or 35c, 65c postpaid; breeder size (1 lb. salve, 5 lb. powder) \$3.50; 10 lbs. powder only, \$3.50; or \$3.65 postpaid.**



### Conkey's Blackhead Remedy

Turkey breeders should have a package on hand as Blackhead is deadly in advanced stages. Should be given regularly to growing poult.

**Packages: 60c; or 65c postpaid.**



### Conkey's Poultry Worm Remedy

This prescription rids birds of many troublesome worms, thus promoting a return to healthy conditions. Give it as soon as you suspect worms—it will help the whole flock.

**Pkgs: 30c, 60c; or 35c, 65c postpaid; breeder size, (5 lbs.) \$2.75; or \$2.85 postpaid.**



### Conkey's Poultry Laxative

Wherever a laxative or purgative is needed this remedy is just the thing for birds—by varying the dosage you can produce either a mild or a strong effect. Works without a debilitating after-effect.

Experts say, and we have found through experiments, that a poultry laxative given every week or two not only keeps birds in better condition but also increases the egg yield very materially. If you are not employing this method, try it and be convinced.

**Pkgs.: 30c, 60c; or 35c, 65c postpaid; breeder size (5-lbs.) \$2.75; or \$2.90 postpaid.**

# Conkey's White Diarrhea Remedy



Once you have used this old reliable preparation, you will never be without it. As a preventive of bowel troubles, White Diarrhea and other digestive complaints, it has given great satisfaction for many years.

After getting a start diarrhetic conditions often sweep away the whole hatch—hundreds of chicks. Play safe—keep this remedy in the drinking water until the danger period is past.

This remedy is also recommended as a preventive measure and in treatment of coccidiosis, a diarrhetic condition which attacks chicks similarly to White Diarrhea, but which differs from White Diarrhea in that a principal symptom is bloody droppings rather than white.

**Pkgs: 30c, 60c, \$1.20, all postpaid; breeder size (1200 Tablets) \$4.00; or \$4.10 postpaid.**

# Symptoms of the most prevalent Poultry Diseases and Ailments

*Preserve this Circular. Knowing how to tell what is wrong may save your whole flock some day.*

## ROUP

Nostrils closed. Running at the nose.  
Face swollen. Comb pale.  
Whistle or sneeze when breathing.  
Breath with Catarrhal odor.

## WHITE DIARRHEA

Chick droops wings.  
Eye listless and chicks generally weak.  
First symptoms usually a white, chalky deposit on down below the vent.  
Severe diarrhea; droppings gummy.

## CANKER

Hard swelling on face.  
Yellow or cheesy growth may show in roof of mouth.  
Eye distended. Breath foul.

## BRONCHITIS

Fowl rattles, not sneezes, when breathing.  
Labored breathing.  
Eyes bright. Comb bright.

## CATARRH

Gummy deposit around nostril.  
Froth in eyes.  
Frequent shaking of head due to irritation.  
Similar to roup; in fact, usually forerunner of roup.

## DIPHTHERIA

False membrane in nostrils, throat, mouth and eyes.  
Foul odor not like roup.  
Membranes bleed when removed.

## PIP

Tip of tongue hard. Nostrils usually closed.  
Breathe through mouth.

## PNEUMONIA

Rapid and labored breathing.  
Bloody mucus may show at corner of mouth.  
Comb dark red or bluish.  
Bird sleepy or in a comatose condition.

## CHOLERA-LIKE DISEASES

Comb dark or bluish. Fowl sleepy.  
Feathers rough. Flesh clammy and bloodless.  
Droppings showing canary yellow and possibly at times a brown mucus.  
Constant diarrhea.  
Breath bad and general dejected condition.

## SOUR CROP

Crop distended. Soft and full of foul water.  
When handled bird belches.  
Discomfort plainly visible.

## CROP BOUND

Great discomfort. Crop solid and distended.  
Bird ravenous and constantly crowding the crop.

## BLACKHEAD

Usually develops in young turkeys.  
Marked diarrhea. Lack of interest in food.  
Head dark in color. General dejected condition.  
Wings drooped; legs weak, feathers ruffled.

## TUBERCULOSIS

Lack of life. Rapidly loses weight.  
High temperature.  
Usually violent diarrhea.

## LIMBERNECK

Fowl loses partial or complete control of its neck.  
Bird weak and head drags on ground when it attempts to walk.

## GAPES

Chick gapes constantly. Rapidly weakens.  
Stands with eyes closed.

## CHICKEN POX or SOREHEAD

Dark, warty spots on comb and face.  
When removed, discharge a yellowish liquid.

## FAVUS

Scaly gray spots on comb and face.  
Grow in numbers until entire comb, face and neck are covered.

## RHEUMATISM

Stiff joints. Muscles contracted.  
Toes sometimes drawn under foot.  
Bird walks stiffly and lame.

## BUMBLEFOOT

Foot swollen. Hard calloused place on bottom of foot.  
Foot very sore and may be very dark or bluish above the toes.

## COCCIDIOSIS

Attacks chicks and old fowls.  
Dullness, Weakness, Sleepiness, Diarrhea.  
Loss of weight. Bloody droppings.

## LEG WEAKNESS

Chicks wobbly on legs. Sit down to eat.  
Drag along on hocks.

## INTESTINAL WORMS

Wasting away. Slight Diarrhea. Worms in droppings.  
Fowls mope. Dull. Listless.

## CONSTIPATION

Dullness. Loss of appetite.  
Birds stand with arched back.  
Walk with difficulty.

## BROODER PNEUMONIA (Aspergillosis)

Slight catarrh. Fast breathing. Chicks mope.  
Emit croupy sound. Weakness. Fever.  
Drooping wings. Excessive thirst.

## LICE, MITES, TICKS, FLEAS

Restlessness.  
Fowls pick and scratch selves.  
Grow listless and thin.  
Little chicks suffer bowel trouble and wings drop.

## LIVER TROUBLE

Comb and wattles fade, gradually changing to dark red or purple.  
Loss of appetite. Sluggishness.

## Conkey's 80-Page Poultry Book FREE

Describes diseases in detail, prescribes treatment; tells how to raise poultry; housing, culling of hens, feeding, how to raise chicks, etc. Ask at store for free copy or send 6c to us or to The G. E. Conkey Co., Cleveland, Ohio.



# "A Feed for Every Need"

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CHICK MASH (*with Buttermilk*)

GROWING MASH

LAYING MASH

CHICK SCRATCH GRAIN

DEVELOPING GRAIN

HEN SCRATCH

DAIRY FEED (*A Balanced Ration  
for the Cow*)



WRITE FOR PRICES

"These foods are good or we  
would not sell them."

A. W. LIEFGREEN,  
*Mgr.*

for

ARIZONA  
SEED &  
FLORAL  
COMPANY

PHOENIX,  
ARIZONA



# Ready Reference Planting Calendar

Since the climatic conditions of Arizona vary to a great extent it would be impossible to formulate a table covering the entire state, therefore we cover here conditions in the Salt River Valley and Southern Arizona, elevations to 3000 ft., for Spring planting. Elevations to 4000 ft., 2 to 4 weeks later.

## JANUARY

**VEGETABLE SEEDS**—Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Celery, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Potatoes, Radishes, Rhubarb Roots, Spinach, Turnips, Bermuda Grass, Blue Grass, Rye Grass, White Clover, Strawberry Plants.

**FLOWER SEEDS**—Bachelor Button, Calendula, Candytuft, Carnation, Cosmos, Coreopsis, Double Daisy, Gaillardia, Larkspur, Moon Vine, Mignonette, Petunia, Pinks, Shasta Daisy, Sweet Alyssum, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Cannas, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Jonquils, Hyacinths, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Tulips, White Madonna Lily, Ranunculus, Tuberoses.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Rye, Wheat.

## FEBRUARY

**VEGETABLE SEEDS**—Asparagus Roots, Beets, Cabbage Plants, Carrots, Celery, Collards, Cress, Endive, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion Sets, Parsley, Parsnips, Peas, Peppers in Hot Beds, Irish Potatoes, Sweet Potatoes, Tubers in Beds, Radish, Rhubarb Roots, Salsify, Squash, Tomatoes, Turnips.

**FLOWER SEEDS**—Asters, African Daisy, Bachelor Button, Balsam, Calendula, Carnation, Candytuft, Cosmos, Cockscorn, Evening Primrose, Four-O'clocks, Forget-Me-Nots, Gaillardia, Helichrysum, Kochia, Lantana, Larkspur, Lobelia, Marigold, Moon Vine, Morning Glory, Other Vine Seed, Nasturtium, Petunia, Pinks, Scarlet Flax, Shasta Daisy, Sweet Alyssum, Sweet Peas, Sweet Sultan, Verbena.

**BULBS**—Amaryllis, Caladium, Cannas, Calla Lily, Chinese Lily, Gladiolus, Hyacinths, Madeira Vine, Tuberoses.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Wheat. Set out Fruit Trees and Rose Bushes.

## MARCH

**VEGETABLE SEEDS**—Asparagus Roots, Beans, Beets, Carrots, Celery, Collards, Corn, Cress, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Mustard, Okra, Onion Sets, Peas, Pepper, Peanuts, Irish Potatoes, Sweet Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato Seed, Tomato Plants.

**FLOWER SEEDS**—All Vine Seeds, Balsam, Cockscorn, Cosmos, Four-O'clock, Gaillardia, Helichrysum, Kochia, Larkspur, Lantana, Marigold, Morning Glory, Nasturtium, Petunia, Portulaca, Scarlet Flax, Sweet Alyssum, Verbena, Zinnia.

**BULBS**—Cannas, Caladium, Gladiolus, Madeira Vine, Tuberoses.

**FIELD SEEDS**—Alfalfa, Sweet Clover. Set out Fruit Trees and Rose Bushes.

## APRIL

**VEGETABLE SEEDS**—Asparagus Roots, Beans, Beets, Celery, Corn, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Melons, Okra, Peanuts, Peas, Irish Potatoes in high altitudes, Sweet Potatoes, Sweet Potato Plants, Radish, Squash, Tomato Plants.

**FLOWER SEEDS**—African Marigold, Cosmos, Gaillardia, Hollyhocks, Morning Glory, All Vine Seeds, Portulaca, Zinnia.

**BULBS**—Gladiolus, Cannas, Tuberoses.

**FIELD SEEDS**—Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghum, Sudan Grass.

## MAY AND JUNE

**VEGETABLE SEEDS**—Beet, Kale, Melons, Peanuts, Sweet Potato Plants, Squash.

**FLOWER SEEDS**—African Marigold, Cosmos, Morning Glory, Portulaca, Vine Seed, Zinnia.

**FIELD SEEDS**—Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass.

## JULY

**VEGETABLE SEEDS**—Brussels Sprouts, Cabbage Seed, and Cauliflower Seed in shaded bed, Casaba, Corn, Peanuts, Pumpkin, Squash.

**FLOWER SEEDS**—Cosmos, Portulaca, Morning Glory, Vine Seed, Zinnia.

**FIELD SEEDS**—Bermuda Grass, Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass.

## AUGUST

**VEGETABLE SEEDS**—Beans, Beets, Cabbage, Carrots, Cauliflower, Corn, Cucumber, Kale, Pumpkin, Squash, Turnips.

**FLOWER SEEDS**—Christmas Flowering Sweet Peas, Cosmos, Phlox, Portulaca, Zinnia.

**FIELD SEEDS**—Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans to Aug. 10, Sudan Grass.

## SEPTEMBER

**VEGETABLE SEEDS**—Beans, Beets, Cabbage, Carrots, Cauliflower, Collards, Corn, Cress, Cucumbers, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Peas, Radish, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Ageratum, Bachelor Button, Calendula, Candytuft, Carnation, Christmas Flowering Sweet Peas, Cosmos, Hollyhocks, Mignonette, Nasturtium, Pansies, Phlox, Pinks, Poppies, Scarlet Flax, Schizanthus, Stocks, Sweet Alyssum, Sweet William, Verbena, Zinnia.

**FIELD SEEDS**—Alfalfa, Canadian Field Peas.

## OCTOBER

**VEGETABLE SEEDS**—Beet, Cabbage Plants, Carrots, Cauliflower, Celery, Collards, Cress, Endive, Garlic Sets, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Salsify, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Coreopsis, Daisies, Globe Amaranth, Gaillardia, Hollyhocks, Larkspur, Mignonette, Moon Vine, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Scarlet Flax, Schizanthus, Stocks, Sweet Alyssum, Sweet William, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Hyacinths, Jonquils, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Ranunculus, Tulips, White Madonna Lily.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Winter Rye, Wheat.

## NOVEMBER AND DECEMBER

**VEGETABLE SEEDS**—Beet, Cabbage Plants, Carrots, Cauliflower Plants, Endive, Garlic Sets, Kale, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Coreopsis, Daisies, Globe Amaranth, Gaillardia, Hollyhock, Larkspur, Mignonette, Moon Vine, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Scarlet Flax, Schizanthus, Stocks, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Hyacinths, Jonquils, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Ranunculus, Tulips, White Madonna Lily.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Wheat, Winter Rye.